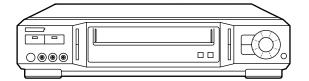
SHARP SERVICE MANUAL

S69I8VC-S101U

VHS VIDEO CASSETTE RECORDER



MODEL

VC-S101U

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

CONTENTS

· ·
5 5-8 S-VHS / S-VHS ET / VHS WHITE
CLIP LEVEL ADJUSTMENT 34
5-9 S-VHS / S-VHS ET / VHS FM CARRIER/
DEVIATION ADJUSTMENT 34
5-10 S-VHS / S-VHS ET / VHS REC CHROMA
CURRENT ADJUSTMENT 35
5-11 S-VHS / S-VHS ET / VHS REC FM
CURRENT ADJUSTMENT35
5-12 S-VHS / S-VHS ET / VHS PLAYBACK
5-13 ADJUSTMENT OF SIF-INPUT LEVEL 36
5-16 ADJUSTMENT OF STEREO
SEPARATION
6. MECHANISM OPERATION FLOWCHART
AND TROUBLESHOOTING GUIDE
2 7. TROUBLESHOOTING
8. BLOCK DIAGRAM58
9. CIRCUIT DIAGRAM AND PWB FOIL
PATTERN
2 10.REPLACEMENT PARTS LIST
3 11.EXPLODED VIEWS 105
3 12.PACKING OF THE SET 109
3
3

SHARP CORPORATION

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The contents are subject to change without notice.

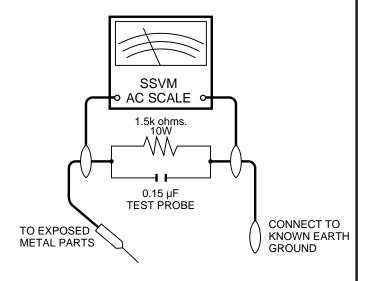
IMPORTANT SERVICE NOTES

BEFORE RETURNING THE VIDEO CASSETTE RECORDER

Before returning the video cassette recorder to the user, perform the following safety checks.

- 1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the video cassette recorder.
- 2. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor/capacitor networks, mechanical insulators etc.
- 3. To be sure that no shock hazard exists, check for current in the following manner.
- Plug the AC line cord directly into a 120 volt AC outlet (Do not use an isolation transformer for this test).
- Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15µF capacitor in series with all exposed metal cabinet parts and a known earth ground, such as a water pipe or conduit.
- Use an SSVM or VOM with 1000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resisor (See Diagram).
- Move the resistor connection to earth exposed metal part having a return path to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, etc.) and measure the AC voltage drop across the resistor. Reverse the AC plug on the set and repeat AC voltage measurements for each exposed

part. Any reading of 0.45V rms (this corresponds to 0.3mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the video cassette recorder to the owner.



WARNING: TO REDUCE THE RISK OF FIRE OR ELEC-TRIC SHOCK, DO NOT EXPOSE THIS AP-PLIANCE TO RAIN OR MOISTURE.



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS IN-SIDE. REFER SERVICING TO QUALIFIED SERVICE PER-SONNEL.



This symbol warns the user of uninsulated voltage within the unit that can cause dangerous electric shocks.



This symbol alerts the user that there are important operating and maintenance instructions in the literature accompanying this unit.

CAUTION:



This symbol mark means fast operating fuse. For continued protection against risk of fire, replace only with same type fuse F901 (3A, 125V).

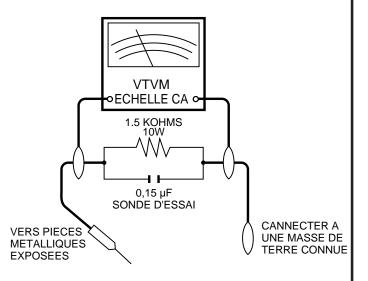
NOTES DE SERVICE IMPORTANTES

AVANT DE RENDRE LE MAGNETOSCOPE

Avant de rendre le magnétoscope à l'utilisateur, effectuer les vérifications de sécurité suivantes.

- Vérifier toutes les gaines de fil pour être sûr que les fils ne sont pas pincés ou que le matériel n'est pas coincé entre le châssis et les autres pièces métalliques dans le magnétoscope.
- Vérifier tous les dispositifs de protection tels que les boutons de commande non métalliques, les matériaux d'isolement, le dos du coffret, les couvercles de compartiment et ajustement ou les boucliers, les réseaux de résistance / condensateur d'isolement, les isolateurs mécaniques, etc.
- 3. Pour être sûr qu'il n'y a aucun risque de choc électrique, vérifier le courant de fuite de la maniére suivante.
- Brancher le cordon d'alimentation secteur directement dans une prise de courant de 120 volts. (Ne pas utiliser de transformateur d'isolement pour cet essai).
- Utiliser deux fils à pinces et connecter une résistance de 10 watts 1,5 kohm en parallèle avec un condensateur de 0,15 μF en série avec des pièces du coffret métallique exposées et une masse de terre connue telle qu'un tuyau ou un conduit d'eau.
- Utiliser un VTVM ou VOM avec une sensibilité de 1000 ohms par volt ou plus ou mesurer la chute de tension CA entre la résistance (voir diagramme).
- Déposer la connexion de la résistance à toutes les pièces métalliques exposées ayant un parcours de retour au châssis (connexions d'antenne, coffret métallique, tétes de vis, boutons et arbres de commande, etc.) et mesurer la chute de tension CA

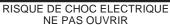
entre la résistance. Inverser la fiche CA (une fiche intermédiaire non polarisée doit être utilisée à seule fin de faire ces vérifications.) sur l'appareil et répéter les mesures de tension CA pour chaque pièce métallique exposée. Toute lecture de 0,45 Vrms (ceci correspond à 0,3 mArms CA) ou plus est excessive et signale un danger de choc qui doit être corrigé avant de rendre le magnétoscope à son utilisateur.



ATTENTION: POUR REDUIRE LES RESQUES D'IN-CENDIE OU DE CHOC ELECTRIQUE, NE PAS EXPOSER CET APPAREIL A LA PLUIE OU A L'HUMIDITE.



ATTENTION





ATTENTION: AFIN DE REDUIRE LES RISQUES DE CHOC ELECTRI-QUE, NE PAS RETIRER LE COUVERCLE, AUCUN ORGANE INTERNE NE PEUT ETRE REPARE PAR L'UTILISATEUR. CONFIER L'APPAREIL A UN DEPANNEUR QUALIFIE.



Ce symbole signale à l'utilisateur la présence d'une tension non isolée à l'intérieur de l'appareil qui peut être la cause de secousses électriques dangereuses.



Ce symbole avertit l'utilisateur que des instructions importantes relatives à l'utilisation et à l'entretien se trouvent dans le manuel accompagnant l'appareil.

PRECAUTION:



Cette marque indique le fusible à action in stantansée. Pour la protection continue contre le risque d'incendie, ne remplacer que par le fusible type F901 (3A, 125V).

PRECAUTIONS IN PART REPLACEMENT

When servicing the unit with power on, be careful to the section marked white all over.

This is the primary power circuit which is live.

When checking the soldering side in the tape travel mode, make sure first that the tape has been loaded and then turn over the PWB with due care to the primary power circuit.

Make readjustment, if needed after replacement of part, with the mechanism and its PWB in position in the main frame.

(1) Start and end sensors: Q701 and Q702

Insert the sensor's projection deep into the upper hole of the holder. Referring to the PWB, fix the sensors tight enough.

(2) Photocoupler: IC901

Refer to the symbol on the PWB and the anode marking of the part.

(3) Cam switches A and B: D708 and D709.

Adjust the notch of the part to the white marker of the symbol on the PWB. Do not allow any looseness.

(4) Take-up and supply sensors: D707 and D706.

Be careful not to confuse the setting direction of the parts in reference to the symbols on the PWB. Do not allow any losseness.

1. GENERAL INFORMATION

1-1 FEATURES

• S-VHS (S-VHS ET)

Universal R/C

EZ Set up (automatically channel set up)

Auto Tracking

AV Auto REC

• Tamper Proof Function

· Outline revision of chroma

• High speed FF/REW (x 360)

1-2 SPECIFICATIONS

1) Recording system

Format: VHS NTSC standard

Luminance signal: FM recording

Chroma signal: Low frequency converted direct recording

Color system: NTSC Number of video head: 4

Tape speed: SP (33.35mm/sec.)

LP (16.67mm/sec.) (playback only)

EP (11.12mm/sec.)

2) Video signal

Input level: 0.5 ~ 2.0Vp-p, 75 ohm Unbalanced

Output level: 1.0Vp-p, 75 ohm Unbalanced

Horizontal resolution: 230 lines (SP mode), 400 lines (S-VHS)

Signal to noise ratio: 50dB (SP mode)

3) Audio signal

Input level: -8dBs (309mVrms, 47k ohm)
Output level: -8dBs (309mVrms, 1k ohm)

Frequency response: 80Hz ~ 10kHz (SP mode linear), 20Hz ~ 20kHz (Hi-Fi mode)

Signal to noise ratio: 43dB (SP mode linear) Hi-Fi Dynamic range: 85dB (Hi-Fi models)

Wow and flutter: 0.005% max. (Hi-Fi mode) with T-120 tape

4) Receiving channel

VHF: Channels 1 ~ 13 UHF: Channels 14 ~ 69

CATV: Channels A-8, A-5 ~ W+84

Antenna input Impedance: VHF/UHF; 75 ohm

5) Misc.

Fast forward/Rewind time: Approximate 1.0 minutes with T-120 cassette

Power source: 120V, 60Hz

Power consumption: 25W

Allowable ambient temperature: 5°C to 40°C (41°F to 104°F)

Operating humidity: below 80% RH

Dimensions: 430 (W), 281 (D), 92 (H) mm (16-15/16, 11-1/16, 3-5/8 inch)

Weight: 3.9kg (8.7 lbs)

Accessories included: 75 ohm coaxial cable, Operation manual, Timer card, Guarantee card (for SEC),

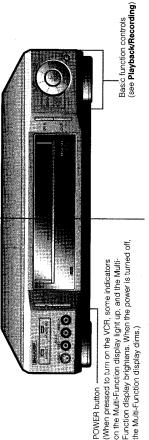
AV cable, S-VHS cable, Infrared remote control, Battery (2 pcs.)

Note: Specifications may be changed for improvement without notice.

1-3 LOCATION OF MAJOR COMPONENTS AND CONTROL

Major Components of Your VCR

Cassette compartment (see Playback/Recording)



Multi-Function Display (explained throughout the operation instructions)



When the power is on, each time **DISPLAY** is pressed, the Multi-Function display changes as follows:

 Clock
 → @ Tape counter → Channel setting

NOTE

- Tape counter is displayed during playback, fast forward or rewind operation.
 When the power is turned off, the clock is displayed and the Multi-Function display becomes darker.

Symbol Function Status	Fast Forward	Rewind	Rec Pause	Cassette-in	Unit in VCR mode
Symbol			-) OBH (-	0.0	VCR
Display	U_ U_	E E E	P 8 8 50		
Symbol Function Status	Stop	Play	Video Search, Slow, Still, Frame Advance	Record	Tamper Proof Active
Symbol	1	A	-	REC	
Display	5100	6 F B 7 d]] \	

NOTE >

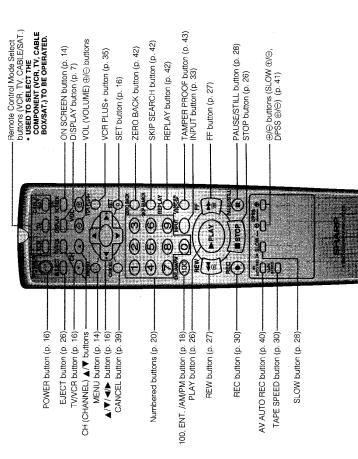
The display will return to the original mode (counter or clock display) 3 seconds after the VCR enters the operation mode.

Connection terminals (see Connecting the VCR and Cable TV Connections)

Connection terminals (see Tape Dubbing Connection Instructions) Ğ

 $3 \leftrightarrow 4 \ \textsc{OUTPUT}$ CHANNEL selector (see Setting the $3 \leftrightarrow 4 \ \textsc{Output}$ Channel Selector)

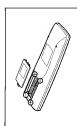
Remote Control



Inserting the Batteries

Make sure that the batteries have been properly installed first. Fit two batteries type "AA". If the remote control stops working, fit new batteries.

Ensure the batteries are fitted correctly, matching the polarities (\oplus/\ominus) indicated in the remote control.



NOTE

- After changing the batteries in the remote control, the code settings for the TV, cable box and Digital Satellite Receiver must be re-entered.
 - Do not subject the remote control to shock, water or excessive humidity.
- The remote control may not function if the VCR sensor is in direct sunlight or any other strong light.
 Incorrect use of batteries may cause them to leak or burst. Read the battery warnings and use the batteries properly.
 - Do not mix old and new batteries, or mix brands in use.
- Remove the batteries if the remote control will not be operated for an extended period of time.
 If the remote control does not function property when new batteries are installed, remove the batteries and keep pressing any button for 10 seconds before re-installing them.

2. DISASSEMBLY AND REASSEMBLY 2-1. DISASSEMBLY OF MAJOR BLOCKS

TOP CABINET: Remove 4 screws ①.

FRONT PANEL: Remove 2 screws ② and 7 clips ③.

Be careful not to undo the lower hooks alone andattempt to tilt the front panel out of position. The jack PWB holder's right-hand hook may get broken. Undothe front panel's upper and lower hooks together and take out the front

panel untilted.

OPERATION PWB: Remove 1 clip @.

JACK PWB : Remove 1 screw 4 and 1 clip b.

JACK PWB HOLDER: Remove 1screw ⑤. FRONT AV PWB: Remove 2 clip ⑥.

SHIELD CASE: Remove 1 screw 6 and 7.(One of

the shield screws is also used to hold the drum in place. Once this shield screw has been removed, the drum base gets loose. In reassembling, refer to "Mounting the head amplifier shield" and take the tape travel check-

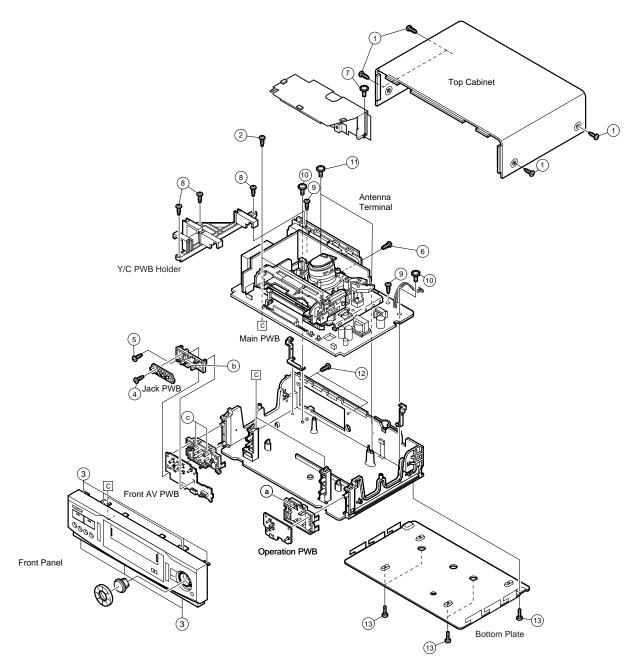
ing procedure again.)

Y/C PWB HOLDER: Remove 3 screws 8.

MECHANISM / : Remove 2 screws (9), 2 screws (10),
MAIN PWB UNIT/ 2 screws (11) and 2 screws (12). (Take the mechanism, the PWBs, and the antenna terminal board in this order out

COVER of the chassis.)

BOTTOM PLATE: Remove 5 screws ①.



2-2 DISASSEMBLY OF MECHANISM AND MAIN PWB ASSEMBLY

1.WHEN REMOVING MECHANISM FROM MAIN PWB

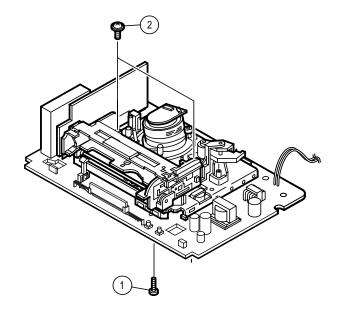
Remove 1 screw (1) from behind of the PWB.

Remove FFC cables which connects mechanism and PWB.

Take out verticallyy the mechanism so that it does not damage the adjacent parts.

2.REMOVING THE MECHANISM AND CASSETTE CONTROLLER

Remove 2 screws ② fixing the cassette controller to the mechanism, and remove the cassette controller.

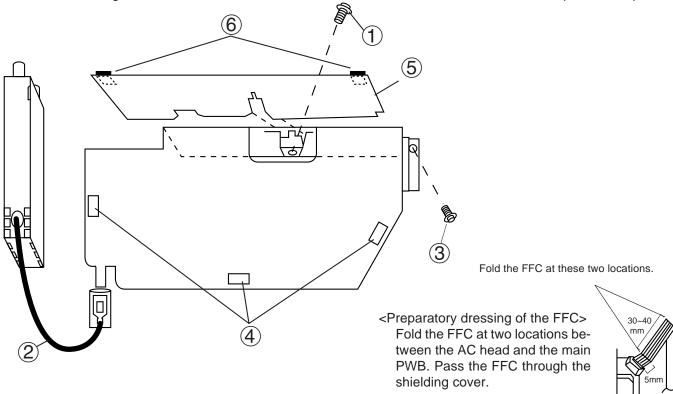


REVISED DRAWING

- (1) Remove this screw off the current shielding cover (PSLDM4557AJFW) at the back of the P frame. Fit the new shielding cover (PSLDM4567AJFW) in position, and apply the screw again to fix the cover.
- (2)Lead with terminal (QCNW-0311AJZZ)
 - a) Put solder at the specified spot on top of the U/V tuner.
 - b) Solder the tip of the lead in position.
 - c) Connect the terminal to the projection of the shielding case.
- (3)Screw (XHPSD26P06WS0)

Screw the shielding case to the mechanism chassis.

- (4)Spacer (PSPAZ0438AJZZ)
 - Place the spacers in the positions shown above.
- (5)Insulating sheet (PZETZ0004AJZZ)
 Insert this sheet between the shielding cover and the terminal board PWB. Using the mats (6), secure the sheet tightly on the PWB.
- (6)Fixing mat (ZTAPEZ950010E)
 - Apply the two back-up mats to secure the insulating sheet to the terminal board PWB.
- (7) Without the insulating sheet (PZETL0001AJZZ) on the left side of the P frame, attach the top cabinet in place.



2-3. CARES WHEN REASSEMBLING

INSTALLING THE CASSETTE CONTROLLER

When the cassette controller is installed on the mechanism, the initial setting is essential condition.

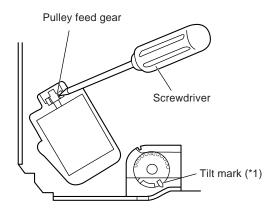
There are two initial setting methods, namely electrical and mechanical.

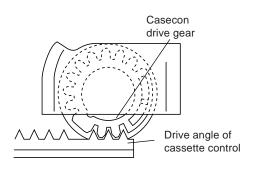
1. Electrical initial setting

So as to perform initial setting of mechanism execute the Step 1 of Installation of cassette housing. After ascertaining the return to the initial setting position (*1) install the cassette controller. (Conditions: When mechanism and PWB have been installed)

2. Mechanical initial setting

Feed the pulley feed gear of loading motor with screw driver. After ascertaining the return to the initial set position (*1) install the cassette controller in the specified position. (This method is applied only for the mechanism.)





INSTALLING THE MECHANISM ON PWB

Lower vertically the mechanism, paying attention to the mechanism edge, and install the mechanism with due care so that the parts are not damaged. So as to fix the mechanism to the main PWB install 1 screw.(Fix the soldering side of the main PWB as well as some points near the loading motor.) Connect again the FFC cable between the mechanism and the main PWB.

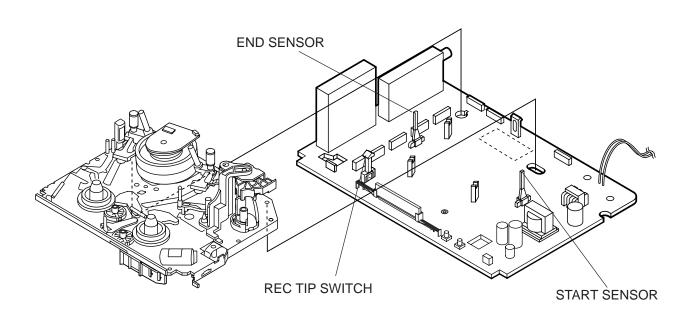
MOUNTING THE HEAD AMPLIFIER SHIELD

Insert the head amplifier shield to the connector. Tighten up the two screws.

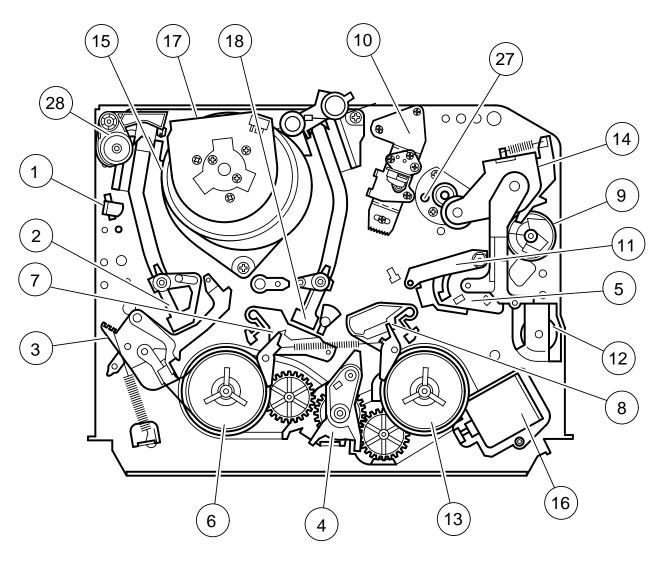
After reassembling the set, perform "A/C HEAD X VALUE ADJUSTMENT" to check the tape drive disversity.

PARTS WHICH NEED PARTICULAR CARE

When installing the mechanism chassis on the PWB unit, take care so as to prevent deformation due to contact of mechanism chassis with REC TIP SW.

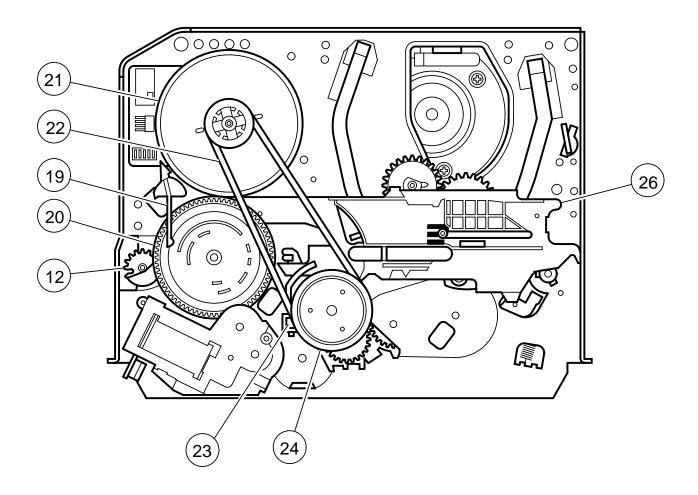


3. FUNCTION OF MAJOR MECHANICAL PARTS (TOP VIEW)



No.	Function	No.	Function
1	Full erase head	11	Reverse guide lever ass'y
2	Supply pole base ass'y	12	Casecon drive gear
3	Tension arm ass'y	13	Take-up reel disk
4	Idler wheel ass'y	14	Pinch roller lever ass'y
5	Pinch drive lever ass'y	15	Drum ass'y
6	Supply reel disk	16	Loading motor
7	Supply main brake ass'y	17	Drum motor
8	Take-up main brake ass'y	18	Take-up pole base ass'y
9	Pinch drive cam	27	Fixing guide
10	A/C Head ass'y	28	I roller ass'y

FUNCTION OF MAJOR MECHANICAL PARTS (BOTTOM VIEW)



No.	Function	No.	Function
12	Casecon drive gear	22	Reel belt
19	Slow brake	23	Clutch lever
20	Master cam	24	Limiter pulley ass'y
21	Capstan D.D. motor	26	Shifter

4. ADJUSTMENT, REPLACEMENT AND ASSEMBLY OF MECHANICAL UNITS

The explanation given below relates to the on-site general service (field service) but it does not relates to the adjustment and replacement which need high-grade equipment, jigs and skill. For example, the drum assembling, replacement and adjustment service must be performed by the person who have finished the technical courses.

4-1 MECHANISM CONFIRMATION ADJUSTMENT JIG

So as to perform completely the mechanism adjustment prepare the following special jigs. So as to maintain the initial performance of the machine the maintenance and check are necessary. Utmost care must be taken so that the tape is not damaged. If adjustment needs any jig, be sure to sue the required jig.

No.	Jig Item	Part No.	Code	Configuration	Remarks
1.	Torque Cassette Meter	JiGVHT-063	CZ		This cassette torque meter is used for checking and adjusting the torque of take-up for measuring tape back tension.
2.	Torque Cours	JiGTG0090	СМ		
۷.	Torque Gauge	JiGTG1200	CN		These Jigs are used for checking and adjusting the torque of take-up
3.	Torque Gauge Head	JiGTH0006	AW		and supply reel disks.
4.	Torque Driver	JiGTD1200	СВ		When fixing any part to the threaded hole using resin with screw, use the jig. (Specified torque 5 kg)
_	Master Plane Jig and	JiGRH0002	BR	Q	These Jigs are used for checking
5.	Reel Disk Height Adjusting Jig		and adjusting the reel disk height.		
	Tanaian Cauga	JiGSG2000	BS		There are two gauges used for the
6.	Tension Gauge	JiGSG0300	BF		tension measurements, 300 g and 2.0kg.
7.	Pinch pressing force measuring jig	JiGADP003	ВК		This Jig is used with the tension gauge. Rotary transformer clearance adjusting jig.
9.	Reverse guide height adjusting box driver	JiGDRiVER11055	AR		This Jig is used for height adjustment of the reverse guide (for reverse guide height adjustment).
	Alignment Tape	VROATSV	CD		
10.	Alignment rape	VROEFZCS			
11.	Guide roller height adjustment drive	JiGDRiVERH-4	AP		This screwdriver is used for adjusting the guide roller height.
12.	X value adjustment gear type screw driver	JiGDRiVER-6	ВМ		For X value adjustment
13.	Reverse Guide Height Adjusting Jig	JiGRVGH-F18	BU	T	This Jig is used for height adjustment of the reverse guide.

MAINTENANCE CHECK ITEMS AND EXECUTION TIME

Perform the maintenance with the regular intervals as follows so as to maintain the quality of machine.

Maintained Parts	500 hrs.		1500 hrs.	2000 hrs.	Possible symptom encountered	Remarks	
Guide roller ass'y					Gilodalitolou	Abnormal rotation or significant vibration requires replacement.	
Sup Guide Shaft					Lateral noises Head		
Retaining guide					occasionally blocked	Clean tape contact part with the specified cleaning liquid.	
Slant pole							
Full-erase head				0	Color and beating		
A/C head				0	Small sound or sound distortion		
Upper and lower drum ass'y		00	00	ОП	Poor S/N ratio, no color Poor flatness of the enve- lope with alignment tape	Clean tape contact area with the specified cleaning liquid.	
Capstan D.D. Motor					No tape running, uneven color		
Pinch roller					No tape running, tape slack	Clean rubber and rubber con-	
Reel belt				0	No tape running, tape slack, no fast forward/ rewind motion	tact area with the specified clean- ing liquid.	
Tension band ass'y				0	Screen swaying		
Loading Motor				0	Cassette not loaded or unloaded		
Idler ass'y				0	No tape running, tape		
Limiter pulley					slack		
Supply/take-up Main brake levers				0	Tape slack		
AHC (Automatic Head Cleaner)		0		0		Replace the roller of the cleaner when it wears down. Just change the AHC roller assembly for new one.	

NOTE	: Part replacement.	□: Cleaning	△: Apply grease
<specifie< td=""><td>d> Cleaning liquid Indus</td><td>strial ethyl alcoh</td><td>ol</td></specifie<>	d> Cleaning liquid Indus	strial ethyl alcoh	ol

^{*} This mechanism does not need electric adjustment with variable resistor. Check parts. If any deviation is found, clean or replace parts.

REMOVING AND INSTALLING THE CASSETTE HOUSING

Removal

- 1. In the cassette removing mode remove the cassette.
- 2. Unplug the power cord.
- 3. Remove in the following numerical order.
 - a) Remove two screws (1).
 - b) Slide and pull up the cassette housing control.

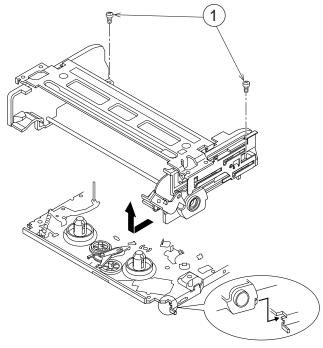


Figure 4-1.

Reassembly

Before installing the cassette housing control, short-circuit P803 provided at the center (when facing to the main PWB), press the eject button. The casecon drive gear turns and stops when the positioning mark appears. Engage two teeth of casecon drive gear with the three teeth of casecon drive angle gear, and set on the mechanism chassis as shown below.

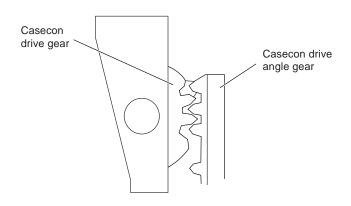


Figure 4-2.

2. Install in the reverse order of removal.

Notes:

- 1. When fitting the S/E sensor holder to the cassette controller frame L/R, take care.
- 2. Misengagement of teeth of casecon drive gear and drive angle gear causes malfunction. (The cassette cannot be set, load and ejection are repeated).
- In the case when you use the magnet screw driver, never approach the magnet driver to the A/C head, FE head, and drum.
- 4. When installing or removing, take care so that the cassette housing control and tool do not contact the guide pin or drum.
- 5. After installing the cassette housing control once perform cassette loading operation.

TO RUN A TAPE WITHOUT THE CASSETTE HOUSING CONTROL ASSEMBLY

- 1. Remove the full-surface panel.
- 2. Short-circuit P803.
- 3. Plug in the power cord.
- 4. Turn off the power switch. (The pole bases move into U.L.position.)
- 5. Open the lid of a cassette tape by hand.
- 6. Hold the lid with two pieces of vinyl tape.
- 7. Set the cassette tape in the mechanism chassis.
- 8. Stabilize the cassette tape with a weight (500g) to prevent floating.
- 9. Turn on the power switch.
- 10. Perform running test.

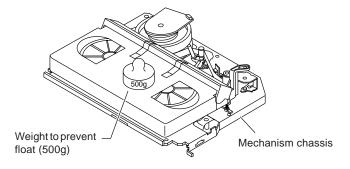


Figure 4-3.

Note:

The weight should not be more than 500g.

To take out the cassette tape.

- 1. Turn off the power switch.
- 2. Take out the cassette tape.

REEL DISK REPLACEMENT AND HEIGHT CHECK

Removal

- 1. Remove the cassette housing control assembly.
- 2. Pull the tension band out of the tension arm ass'y.
- 3. Remove the Supply/Take-up main brake ass'y.
- Open the hook at the top of the reel disk, and remove the reel disk.

Note:

Take care so that the tension band ass'y and main brake ass'y (especially soft brake) are not deformed.

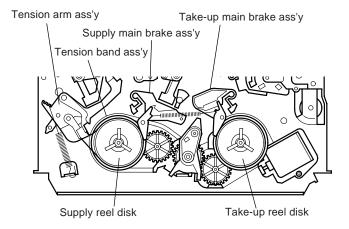




Figure 4-4.

Note:

When the tension band ass'y is pressed in the direction of the arrow for removal, the catch is hard to be deformed.



Figure 4-5.

Reassembly (Supply reel disk)

- 1. Clean the reel disk shaft and apply grease (SC-141) to it.
- 2. Match the phases of reel disk and reel relay gear, and set the new reel disk.
- After checking the reel disk height, wind the tension band ass'y around the reel disk, and insert into the hole of tension arm ass'y.

4. Assemble the Supply main brake ass'y.

Notes:

- 1. When installing the reel disk, take due care so that the tension band ass'y is not deformed and grease does no adhere.
- 2. Do not damage the Supply main brake ass'y. Be careful so that grease does not adhere to the brake surface.

Reassembly (Take-up reel disk)

- Clean the reel disk shaft and apply grease (SC-141) to it
- 2. Align the phase of the reel disk to that of the reel relay gear and to install a new take-up reel disk onto the shaft.
- 3. Check the reel disk height and reassemble the take-up main brake ass'y.

Note:

- Take care so that the Take-up main brake ass'y is not damaged. Take care so that grease does not adhere the brake surface.
- After reassembly, check the video search rewind back tension (see page 18), and check the brake torque (see page 20).

Height checking and adjustment Note:

- Set the master plane with due care so that it does not contact the drum.
- 2. When putting the master plane, shift the reverse guide a little in the loading direction. Care must be taken since excessive shift results in damage.

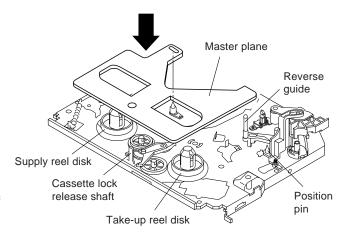


Figure 4-6.

Note:

Check that the reel disk is lower than part A but higher than part B. If the height is not correct, readjust the reel disk height by changing the poly-slider washer under the reel disk.

Note:

Whenever replacing the reel disk, perform the height checking and adjustment.

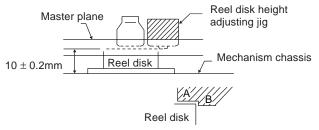


Figure 4-7.

CHECKING AND ADJUSTMENT OF TAKE-UP TORQUE IN FAST FORWARD MODE

- Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.

Setting

- 1. Set a torque gauge to zero on the scale. Place it on the take-up reel disk.
- 2. Press the FF button.
- 3. To calculate the remaining capacity of the play back mode, slowly rotate the supply reel disk, and then shift it into the forward mode.

Checking

- 1. Turn the torque gauge slowly (one rotation every 2 to 3 seconds) by hand in the CW direction.
- 2. Make sure that the indication of torque gauge is not less than 30mN·m (306gf·cm).

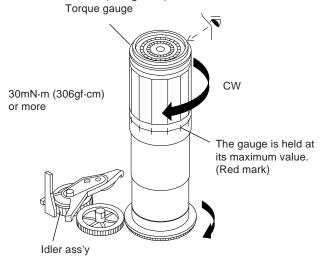


Figure 4-8.

Adjustment

- 1. If the FF winding-up torque is less than the specified value, clean the capstan D.D. motor pulley, reel belt, and limiter pulley with cleaning liquid, and check again.
- 2. If the torque is less that the set value, replace the reel belt.

Notes:

- 1. Hold the torque gauge by hand so that it is not moved.
- 2. Do not keep the reel disk in lock state. Do not allow longtime measurement.

CHECKING AND ADJUSTMENT OF TAKE-UP TORQUE IN REWIND MODE

- Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.

Setting

- 1. Set a torque gauge to zero on the scale. Place it on the supply reel disk.
- 2. Press the rewind button.
- 3. To calculate the remaining capacity, slowly rotate the take-up reel disk, and then shift it into the rewind mode.

Checking

- 1. Turn the torque gauge slowly (one rotation every 2 to 3 seconds) by hand in the CCW direction.
- 2. Make sure that the indication of torque gauge is not less than 30mN·m (306gf·cm).

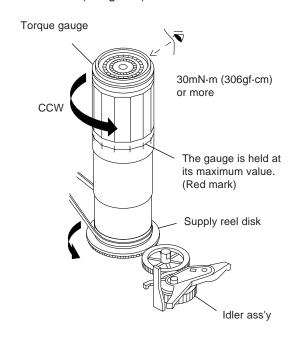


Figure 4-9.

Adjustment

- 1. If the rewind winding-up torque is less than the specified value, clean the capstan D.D. motor pulley, drive belt, and limiter pulley with cleaning liquid, rewind again, and check the winding-up torque.
- If the winding-up torque is still out of range, replace the drive belt.

Notes:

- 1. Hold the torque gauge by hand so that it is not moved.
- 2. Do not keep the reel disk in lock state. Do not allow long-time measurement.

CHECKING AND ADJUSTMENT OF TAKE-UP TORQUE IN RECORD/PLAYBACK MODE

- · Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.
- Turn off the power switch.
- Open the cassette torque meter lid, and fix it with tape.
- Load the cassette torque meter into the unit.
- Put the weight (500g) on the cassette torque meter.
- Turn on the power switch.
- Press the REC button, and set EP picture record mode.

Set value EP6.9 \pm 2.5mN·m (70 \pm 25gf·cm)

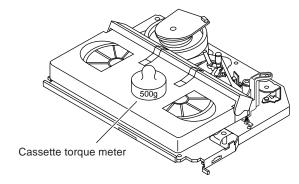


Figure 4-10.

Checking

- 1. Make sure that value is within the setting 6.9±2.5mN·m (70±25gf·cm).
- 2. The winding-up torque fluctuates due to variation of rotation torque of limiter pulley ass'y. Read the center value of fluctuation as setting.
- 3. Set the EP record mode and make sure that the windingup torque is within setting.

Adjustment

If the playback winding-up torque is not within the setting, replace the limiter pulley assembly.

Note:

When the torque cassette is set, put a weight (500g) to prevent rise.

When the cassette torque meter is taken out.

Turn off the power switch.

CHECKING AND ADJUSTMENT OF TAKE-UP TORQUE IN VIDEO SEARCH REWIND MODE

- · Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.

Setting

Press the playback button and rewind button to set the video search rewinding mode.

Checking

Place the torque gauge on the supply reel disk, and turn it counterclockwise very slowly (one rotation every 1 to 2 seconds) and check that the torque is within the set value $14.0 \pm 3.9 \text{mN} \cdot \text{m}$. ($144 \pm 40 \text{gf} \cdot \text{cm}$)

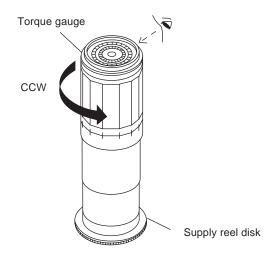


Figure 4-11.

Note:

Surely put the torque gauge on the reel disk to measure. If the torque gauge is raised, accurate measurement is impossible.

Adjustment

If the rewinding playback winding-up torque is not within the setting, replace the limiter pulley assembly.

Note:

The winding-up torque fluctuates due to variation of rotation torque of supply reel disk. Read the center value of fluctuation as setting.

CHECKING THE VIDEO SEARCH REWIND BACK TENSION

- · Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.

Checking

- 1. After pressing the play button, press the rewind button, and set the video search rewind mode.
- 2. Place the torque gauge on the take-up reel disk, and turn it counterclockwise very slowly (one rotation every 2 to 3 seconds) and check that the torque is within the set value 3.4±1.5mN·m (35±15gf·cm).

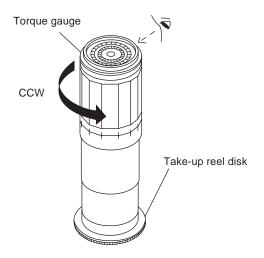


Figure 4-12.

Notes:

Set the torque gauge securely on the take-up reel disk. If it is not secure, the measurement will be incorrect.

CHECKING THE PINCH ROLLER PRESSURE

- Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.

Checking

Press the play button to set the playback mode.

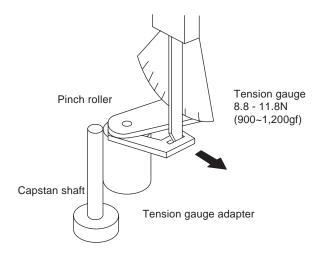


Figure 4-13.

- Detach the pinch roller from the capstan shaft.
 Do not separate excessively. Or the pinch lever and pinch double action lever may disengage.
- 2. Engage the tension gauge adapter with the pinch roller shaft, and pull in the arrow direction.
- 3. Gradually return the pinch roller, and measure the pulling force when the pinch roller contacts the capstan shaft.
- 4. Make sure that the measured value is within setting 8.8 to 11.8 N (900 to 1,200gf).

CHECKING AND ADJUSTMENT OF TENSION POLE POSITION

- · Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.

Setting

- 1. Turn off the power switch.
- 2. Open the cassette tape (T-120), and fix with tape.
- 3. Set the cassette tape in loading state.
- 4. Put the weight (500g) on the cassette tape.
- 5. Turn on the power switch.

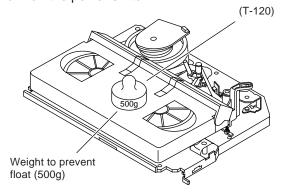
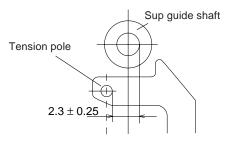


Figure 4-14.

- 6. Make the adjustment with the beginning of a T-120 tape.
- Checking
- Set a cassette tape, push the REC button to place the unit in the SP record mode. Now check the tension pole position.

2. Visually check to see if the right edge of the tension pole is within the 2.3 \pm 0.25 from the right edge of the Sup guide shaft.



Make the adjustment with the beginning of a T-120 tape.

Figure 4-15.

At left side from the center line

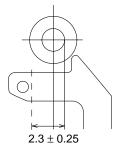


Figure 4-16.

Insert the slotted screwdriver in the tension pole adjuster, and rotate counterclockwise.

At right side from the center line

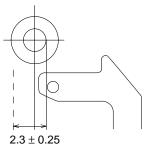


Figure 4-17.

Insert the slotted screwdriver in the tension pole adjuster, and rotate clockwise.

Tension pole adjuster adjusting range

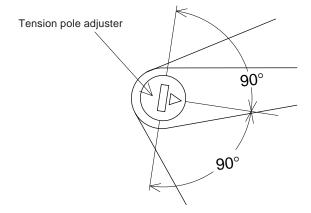


Figure 4-18.

Adjust so that the delta mark of tension pole adjuster is within 90° range (left, right).

CHECKING AND ADJUSTMENT OF RECORD/ PLAYBACK BACK TENSION

- Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.
- Setting
- 1. Turn off the power switch.
- 2. Open the torque cassette meter and fix with tape.
- 3. Set the cassette tape in loading state.
- 4. Put the weight (500g) on the cassette torque meter.
- 5. Turn on the power switch.

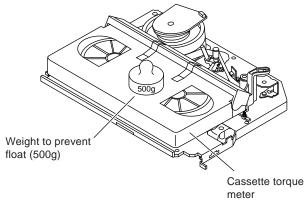


Figure 4-19.

Checking

- Push the REC button to place the unit in the SP record mode.
- 2. At this time ascertain that the back tension is within the setting (36 to 56g·cm) by seeing the indication of torque cassette meter.

Adjustment

- 1. If the indication of torque cassette meter is lower than the setting, shift the tension spring engagement to the
- 2. If the indication of torque cassette meter is higher than the setting, shift the tension spring engagement to the

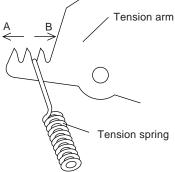
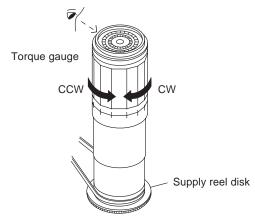


Figure 4-20.

CHECKING THE BRAKE TORQUE

Checking the brake torque at the supply side



CCW: 3.9~9.8mN·m (40~100gf·cm) CW: 8.8~23.5mN·m (90~240gf·cm)

Figure 4-21.

- Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.

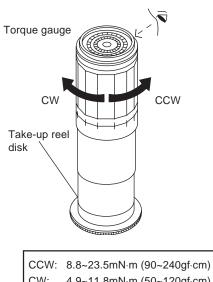
Setting

- Set a torque gauge to zero on the scale. Place it on the supply reel disk.
- 2. Switch from the FF mode to the STOP mode.
- 3. Disconnect the power cord.

Checking

Turn the torque gauge at a rate of about one turn/2 sec in the CW direction/CCW direction with respect to the supply reel disk so that the reel disk and torque gauge pointer rotate at equal speed, and make sure that the value is within the setting (CW direction: 8.8 to 23.5mN·m (90 to 240gf·cm); CCW direction: 3.9 to 9.8mN·m (40 to 100gf-cm).

Checking the brake torque at the take-up side



4.9~11.8mN·m (50~120gf·cm)

Figure 4-22.

- Remove the cassette housing control assembly.
- After short-circuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.

Setting

- 1. Switch from the FF mode to the STOP mode.
- 2. Disconnect the power cord.
- 3. Set a torque gauge to zero on the scale. Place it on the take-up reel disk.

Checking

- 1. Turn the torque gauge at a rate of about one turn/2 sec in the CCW direction/CW direction so that the reel disk and torque gauge pointer rotates at equal speed and make sure that the value is within the setting (CCW direction: 8.8 to 23.5mN·m (90 to 240gf·cm), CW direction: 4.9 to 11.8 mN·m (50 to 120gf·cm).
- 2. Adjustment of the brake torque at the supply side and the take-up side
- Unless the supply side brake torque or take-up side brake torque is within the setting, clean the felt surface of reel disk (supply, take-up) brake lever, check again the brake torque.
- If value cannot be set within the setting yet, replace the main brake ass'y or main brake spring.

REPLACEMENT OF A/C (Audio/Control) HEAD

- 1. Remove the cassette housing control assembly.
- 2. In unloading state unplug the power cord.

Removal

- 1. Remove the screws 123, Azimuth screw, Tilt screw.
- 2. Unsolder the PWB fitted to the A/C head.

Notes:

- 1. When replacing, never touch the head. If you touched, clean with the cleaning liquid.
- 2. When removing the screw ③, take care so that the spring may spring out.

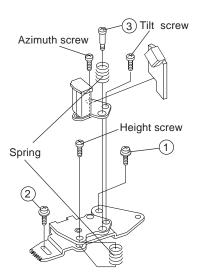
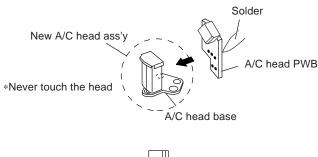


Figure 4-23.

Replacement

- 1. Solder the removed PWB to the new head assembly.
- 2. Adjust the height from the A/C head plate (lower surface) to the A/C head base to 10.8mm with slide calipers. (3 places of azimuth screw section, tilt screw section and height screw section) (See the figure below.)



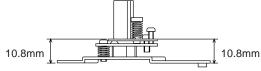


Figure 4-24.

3. Align the left end of gear of A/C head plate with the punched mark of chassis, tentatively tighten the screws plate ① and ② so as to ensure smooth motion of A/C head plate. Tentative tightening torque must be 0.15 to 0.20 N·m (1.5 to 2.0kgf·cm).

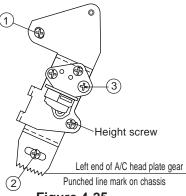
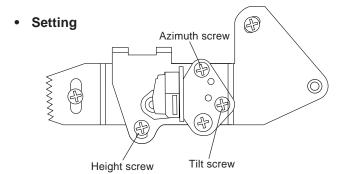


Figure 4-25.

Note:

- 1. If the screws ① and ② are tighten tentatively too loose, the azimuth and height of A/C head may change when they are finally tightened. Therefore care must be taken.
- 2. After completion of A/C head be sure to adjust tape running. (Execute the running adjustment by the method described in Page 23, 24.)

A/C HEAD HEIGHT ROUGH ADJUSTMENT



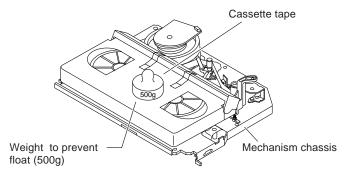


Figure 4-26.

- 1. Set the cassette tape in the unit.
- Press the PLAY button to put the unit in the playback mode.
- Roughly adjust the height of the A/C head by turning the height screw until the tape is in the position shown below.

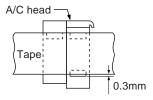


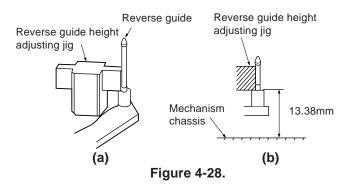
Figure 4-27.

Adjustment

Adjust the height screw visually so that the control head is visible 0.3mm below the bottom of the tape.

HEIGHT ADJUSTMENT OF REVERSE GUIDE

1. Adjust the height from the mechanism chassis to the reverse guide lower flange to 13.38 mm, using the reverse guide height adjustment jig, in tape loading state. (Refer to Figure 4-28 (a) (b).)



Rotate counterclockwise the reverse guide height adjustment nut 1/10 turn. (For height adjustment use the reverse guide height adjustment box driver (JiGDRiVER 11055)).

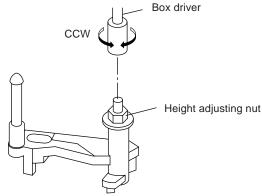
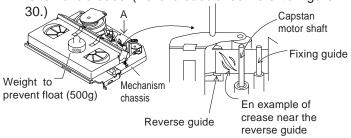


Figure 4-29.

3. Set the tape, and check for tape crease near the reverse guide in the playback mode.

If crease is found, turn the reverse guide adjustment nut to remove crease. (As for crease check refer to Figure 4-



* Check for crease from the A direction.

Figure 4-30.

ADJUSTMENT OF TAPE DRIVE TRAIN

- 1. Tape run rough adjustment
 - 1 Remove the cassette housing control assembly.
 - ② After shortcircuiting P803 provided at the right of display tube on the operation PWB, plug in the power cord.
 - ③ Check and adjust the position of the tension pole. (See page 18.)
 - 4 Check and adjust the video search rewind back tension. (See page 18.)
 - (5) Connect the oscilloscope to the test point for PB CHROMA envelope output (TP301). Set the synchronism of the oscilloscope to EXT. The PB CHROMA signal is to be triggered by the head switching pulse (TP302).
 - 6 Set the alignment tape (VROATSV) to play. (Put a 500g weight on the cassette tape to prevent lift of cassette tape.)

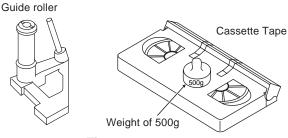


Figure 4-31.

- Press the tracking button (+), (-) and change the envelope waveform from max to min and from min to max. At this time make sure that the envelope waveform changes nearly parallel.
- (8) Unless the envelope waveform changes nearly parallel, adjust the height of supply side and take-up side guide roller so that the envelope waveform changes nearly parallel. (For envelop adjustment procedure refer to Figure 4-35.)
- (9) Turn the tilt screw to remove the tape crease at the fixing guide flange.
 - Play back the tape and check for tape crease at the fixing guide flange.
 - (1) If there is no tape crease

 Turn the tilt screw clockwise so that tape crease appears once at the flange, and then return the tilt screw so that the crease disappears.
 - (2) If there is tape crease Turn counterclockwise the tilt screw so that the tape crease disappears. (Reference) If the tilt screw is turned clockwise crease appears at the lower flange.

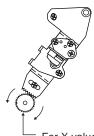
Notes:

- Previously set the tracking control in the center position, and adjust the envelop waveform to maximum with X value adjustment nut. Thereby the tape run rough adjustment is facilitated.
- 2. Especially the outlet side envelope waveform must have higher flatness.



Figure 4-32.

- 2. Adjustment of A/C head height and azimuth
 - 1 Perform the initial setting of A/C head position by the method stated in "Page 21 Replacement 3".
 - ② Connect the oscilloscope to the audio output terminal.
 - ③ Using the alignment tape in which 1 kHz linear audio signal has been recorded, adjust the height screw so as to get max audio output.
 - 4 Using the alignment tape in which 7 kHz linear audio signal has been recorded, adjust the azimuth screw so as to get max audio output.
 - ⑤ Repeat the above adjustment steps ③ and ④ a couple of times. Finally take the step ④ again.



For X value adjustment Adjust the X value, turning the geartype screwdriver.

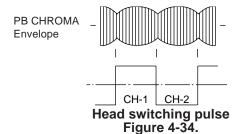
Figure 4-33.

3. Tape run adjustment

- ① Connect the oscilloscope to PB CHROMA envelope output test point, set oscilloscope sync to EXT, trigger-input the PB CHROMA signal (head switching pulse).
- ② Rough adjustment of X value Tentatively fix A/C head arm screws ① and ② by the method described in Page 21 "Replacement 3". Play back the alignment tape, and press S803 located at the right of display tube on the opreation PWB. As a result the auto-tracking is automatically cancelled, so that the X value adjustment mode is set.

Move the A/C head with the X value adjustment gear driver (JiGDRiVER-6) by the method shown in Figure 4-33, and adjust the A/C head so as to get the maximum envelope waveform. (Note: When the A/C head is adjusted, adjust so that the maximum envelop waveform is obtained nearest the position of initial setting made in Page 24.)

③ Next, press the tracking button (+), (-) and change the envelope waveform from max to min and from



min to max. At this time adjust the height of supply and take-up side guide roller with the adjustment driver (JiGDRiVERH-4) so that the envelope waveform changes nearly parallel.

- 4 If the tape is lifted or sunk from the helical lead surface, the PB CHROMA envelope waveform appears as shown in Figure 4-35.
- (5) Press the tracking button (+), (–) and make sure that the envelope waveform changes nearly parallel.
- 6 Finally check tape crease near the reverse guide. If tape crease is found, remove it as stated in Page 22 "HEIGHT ADJUSTMENT OF REVERSE GUIDE" item 3.

	When the tape is ab	ove the helical lead.	When the tape is be	low the helical lead.
	Supply side	Take-up side	Supply side	Take-up side
Adjustment	Supply side guide roller rotated in clockwise direction (lowers guide roller) to flatten envelope.	Take-up side guide roller rotated in clockwise direction (lowers guide roller) to flatten envelope.	Supply side guide roller rotated in counterclockwise direction (raises guide roller) to make the tape float above the helical lead. The supply side guide roller is then rotated in the clockwise direction to flatten the envelope.	Take-up side guide roller rotated in counterclock-wise direction (raises guide roller) to make the tape float above the helical lead. The take-up side guide roller is then rotated in the clockwise direction to flatten the envelope.

Figure 4-35.

4. A/C head X value adjustment

- 1 Tentatively fix A/C head arm screws 1 and 2 by the method described in Page 21 "Replacement 3".
- ② Playback the alignment tape, and press S803 located at the right of display tube on the opreation PWB. As a result the auto-tracking is automatically cancelled, so that the X value adjustment mode is set.
- ③ Move the A/C head with the X value adjustment gear driver by the method shown in Figure 4-33, and adjust the A/C head so as to get the maximum envelope waveform. (Note: At this time adjust so as to get the maximum envelope waveform nearest the A/C head position which has been set in case of X value rough adjustment as stated in Page 24, 3-②.)
- 4) Tighten finally the screws (1) and (2). Be sure to

- tighten at first the screw ① and then the screw ②. Final tightening torque is 0.6N·m (If the screw ② is tightened first, the X value may deviate.)
- (5) Adjust the playback switching point (Refer to the electric adjustment method.)
- 6 Playback the self-picture-recorded tape, and check the flatness of envelope waveform and sound.

Note:

When the A/C head X value adjustment is performed, be sure to perform at first X value rough adjustment (refer to

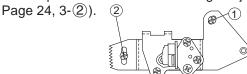


Figure 4-36.

REPLACEMENT OF THE CAPSTAN D.D. (DIRECT DRIVE) MOTOR

- Remove the mechanism from the main PWB (refer to Page 8 "1. When removing the mechanism from the main PWB").
- Removal (Follow the order of indicated numbers.)
- 1. Remove the reel belt (1).

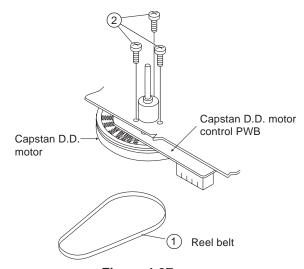


Figure 4-37.

- 2. Remove the three screws (2).
- Reassembly
- 1. Taking care so that the capstan shaft does not contact the mechanism chassis, set its position on the mechanism chassis, and then install with the three screws.
- 2. Install the reel belt.

Notes:

- 1. After installing the capstan D.D. motor, be sure to rotate the capstan D.D. motor and check the movement.
- Set the tape, and check for the tape crease near the reverse guide in the playback mode. Adjust the A/C head and azimuth as stated in Page 23 item 2. If crease is found, adjust as stated in Page 24 "HEIGHT ADJUST-MENT OF REVERSE GUIDE".

REPLACEMENT OF DRUM D.D. MOTOR

- 1. Set the ejection mode.
- 2. Withdraw the main power plug from the socket.

Removal (Perform in numerical order.)

- 1. Disconnect the FFC cable ①.
- 2. Unscrew the D.D. stator assembly fixing screws ②.
- 3. Take out the D.D. stator assembly (3).
- 4. Unscrew the D.D. rotor assembly fixing screws 4.
- 5. Take out the D.D. rotor assembly (5).

Notes:

- In removing the D.D. stator assembly, part of the drum earth spring pops out of the pre-load collar. Be careful not to lose it.
- Install, so that the D.D. rotor ass'y and upper drum ass'y mounting direction check holes align. (Align the upper drum dent with the rotor hole.)
- 3. Be careful not to damage the upper drum or the video head.
- 4. Protect the hole elements from shock due to contact with D.D. stator or D.D. rotor ass'y.
- 5. After installation adjust the playback switching point for adjustment of servo circuit.

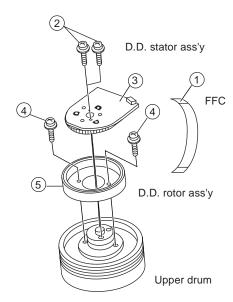


Figure 4-38.

REPLACING THE UPPER AND LOWER DRUM ASSEMBLY

- Replacement (Perform in the numerical order)
- 1 Remove the motor as stated in Page 25 D.D. motor replacement.
- 2 Remove the drum earth brush 2.
- (3) Remove the drum base (3) from the upper and lower drum assembly (1).

[Cares when replacing the drum]

- 1. Be careful so that the drum earth brush is not lost.
- 2. Do not touch directly the drum surface.
- 3. Fit gently the screwdriver to the screws.
- 4. Since the drum assembly is an extremely precise assembly, it must be handled with utmost care.
- 5. Make sure that the drum surface is free from dust, dirt and foreign substances.
- 6. After replacing the drum be sure to perform the tape running adjustment.

After that, perform also the electrical adjustment.

- Playback switching point adjustment
- X-position adjustment and check
- Standard and x-3 slow tracking adjustment
- 7. After replacing the drum clean the drum.

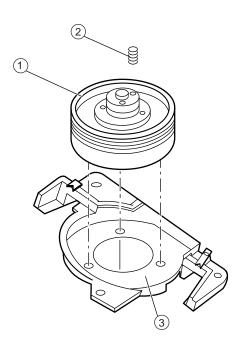


Figure 4-39.

ASSEMBLING OF PHASE MATCHING MECHANISM COMPONENTS

- Assemble the phase matching mechanism components in the following order.
- 1. Assemble the pinch roller assembly and pinch drive cam.
- 2. Mounting the shifter (on the back of the mechanism chassis).
- 3. Mounting the master cam (on the back of the mechanism chassis).
- 4. Assemble the connection gear, slow brake and loading motor parts.

Pinch drive cam and pinch roller assembling method.

(Place the following parts in position in numerical order.)

- (1) Reverse drive lever 1
- (2) Reverse guide spring (2)
- (3) Reverse guide lever ass'y (3)
- (4) Reverse guide height adjusting nut 4
- (5) Pinch drive cam (5)
- (6) Pinch roller ass'y 6
- (7) Open lever (7)

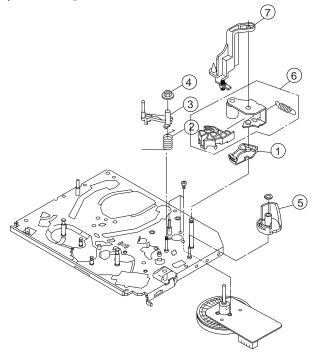
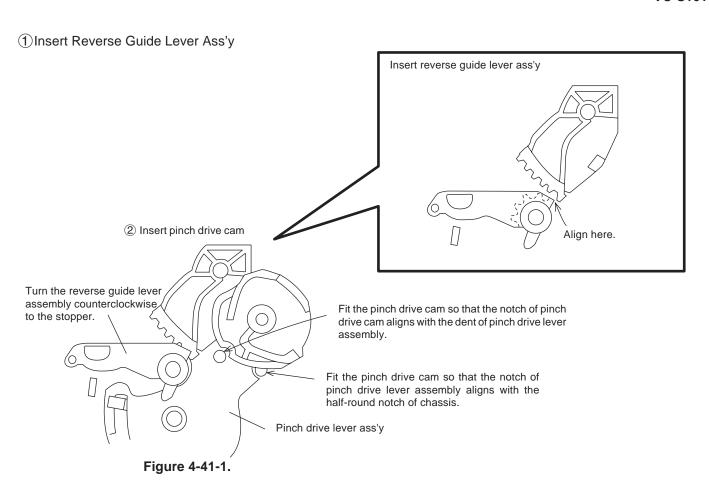


Figure 4-40.



②Insert Pinch Roller/Pinch Double Action Lever Ass'y.

③Insert Open Lever.

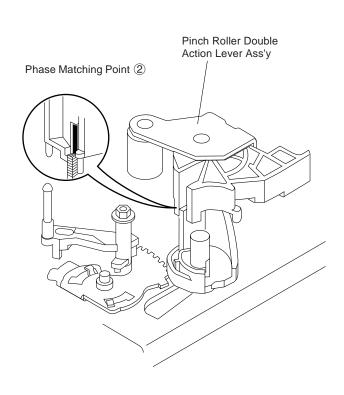


Figure 4-41-2.

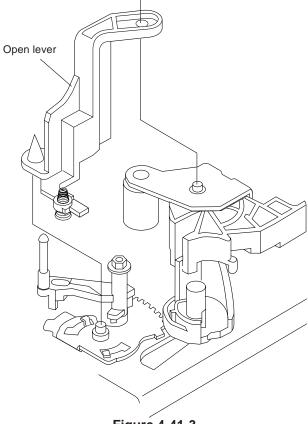
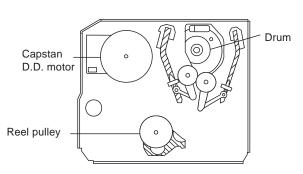


Figure 4-41-3.

INSTALLING THE SHIFTER



- 1. Make sure that the loading gear is at the Phase-Matching point 1 as shown below.
- 2. Install, paying attention to ⑤ insertion points and ③ release points.
- 3. For the phase matching at the insertion point ①, see the Phase-Matching point ② as shown below.

 4. Finally fix the inserts ① and ④.

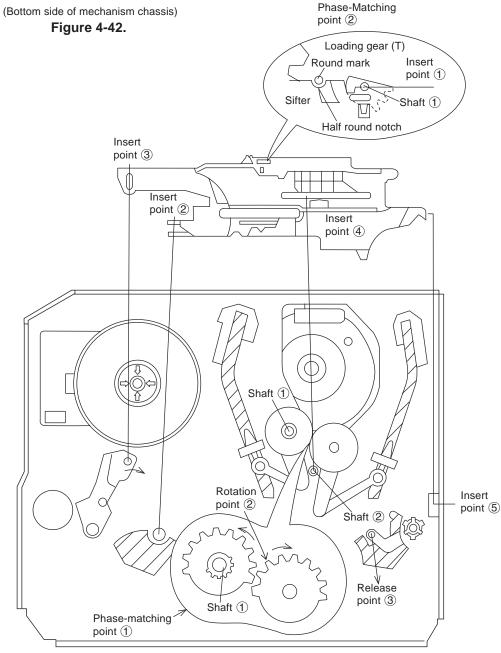


Figure 4-43.

INSTALLING THE MASTER CAM (AT REAR SIDE OF MECHANISM CHASSIS)

- Make sure beforehand that the shifter is at the point as shown below.
- 2. Place the master cam in the position as shown below.

REPLACEMENT OF LOADING MOTOR

Removal

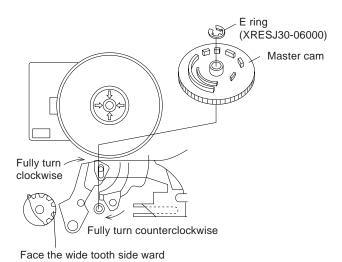


Figure 4-44-1.

Note:

See the figure below for the phase matching between the master cam and the casecon drive gear.

3. Finally fix with the E ring.

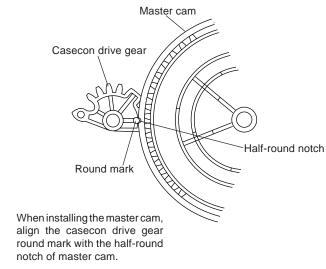


Figure 4-44-2.

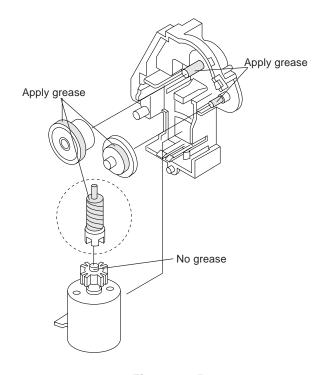


Figure 4-45.

Replacement

Remove the loading motor, and install the replacement loading motor as shown below.

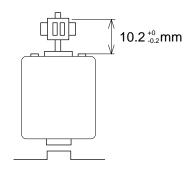
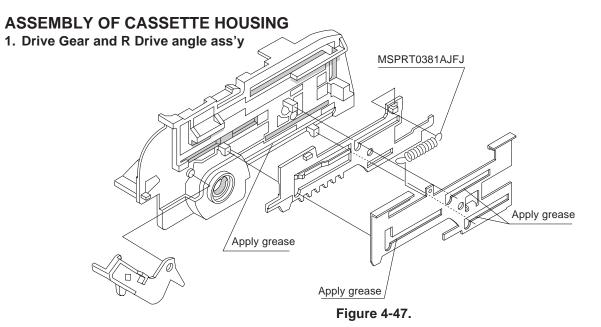


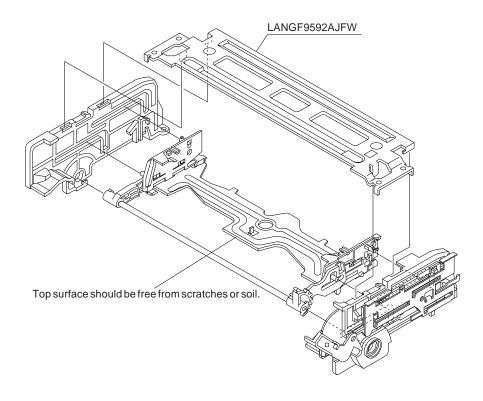
Figure 4-46.

The loading motor pressing-in must be less than $14.7 \,\mathrm{N}$ (15 gf).

Adjust the distance between motor and pulley to 10.2 $^{+0}_{-0.2}$ mm).



2. Synchro Gear, Drive Gear L and Drive Gear R



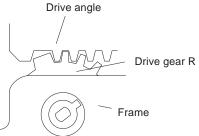


Figure 4-48.

5. ELECTRICAL ADJUSTMENT

Notes:

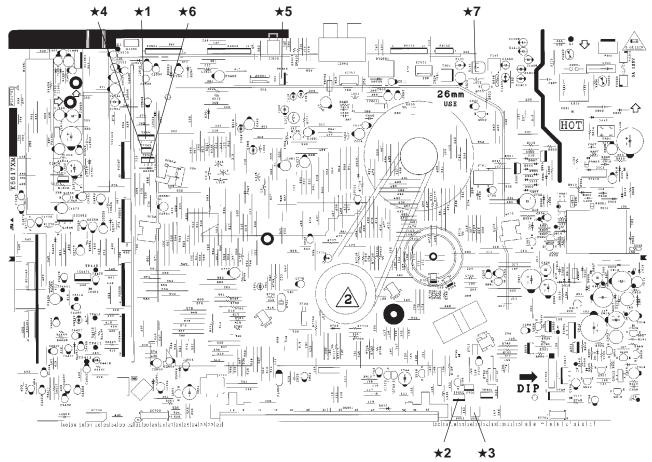
- Before the adjustment:
 - Electrical adjustments discussed here are often required after replacement of electronic components and mechanical parts such as video heads.
 - Check that the mechanism and all electric components are in good working condition prior to the adjustments, otherwise adjustments can not be completed.
- The servo circuit adjustment data is written on the memory IC (IC704) that is used in this product. When this IC has been replaced, it is necessary to readjust the servo circuit data.
- Before readjusting this data, warm up and age the set for more than 5 minutes.
- Whenever possible, use an S-terminal-compatible color bar signal generator for measurement purpose. If not available, operate your color bar signal generator, modifying one step: Take the step "Feed the standard color bar signal (1.0 Vp-p) via the video input terminal" instead of the step "Feed the standard color bar signal (1.0 Vp-p) via the S input terminal."

• Instruments required:

- Color TV monitor
- AC milli-voltmeter
- Spectrum analyser
- Alignment tape (VROATSV)
- Alignment tape (VROLTHCS)
- Screwdriver for adjustment

- Dual-trace oscilloscope
- Color bar signal generator
- RF signal generator
- Alignment tape (VROABZGS)
- Blank video cassette tape

Test point layout



★1 TP301	★6 TP307
★2 TP802	★7 R141
★3 S802	

★4 TP203 ★5 TP305

Figure 5-1

SERVO CIRCUIT ADJUSTMENT

5-1 ADJUSTMENT OF HEAD SWITCHING POINT

Measuring instrument	Dual-trace oscilloscope
Mode	Playback (S-VHS)
Cassette	Alignment tape (VROABZGS)
Test point	Pin (2) of TP301 (H.SW.P) VIDEO OUT jack
Adjusting point	Call up the test mode (get TP802 short-circuited). Use the tracking/channel select (+) and (-) buttons of the set.
Specification	5.5 ^{+ 0.5} _{- 1.0} H (lines)

- 1. Play the alignment tape (VROABZGS).
- 2. Connect the oscilloscope to pin (2) 0f TP301 (CH-1) and VIDEO OUTjack (CH-2).
- 3. Get TP802 on the main PWB short-circuited to call the test mode.
- Press the PLAY button, and the play icon starts flashing in the display and the automatic adjustment function gets started.
- 5. Wait until the play icon in the display stays on to indicate that the adjustment is complete.
- 6. Watch the oscilloscope screen and make sure the setting is $5.5^{+0.5}_{-1.0} H$.
- 7. If the setting is out of this range, readjust the data using the channel select (+) and (-) buttons of the set or the remote controller.
- 8. Finally press the STOP button to guit the test mode.

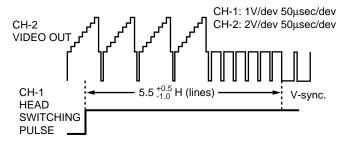


Figure 5-2.

5-2 ADJUSTMENT OF SLOW TRACKING PRESET

Measuring instrument	Color TV monitor
Mode	Make recording on self-recording tape in SP mode or EP mode. Play it back.
Input signal	Commercial broadcast or video signal
Test point	Color TV monitor
Adjusting point	Call up the test mode (get TP802 short-circuited). Use the TRACKING/CHANNEL select (+) and (-) buttons of the set.
Specification	Sweep the noise bar down to the bottom of the colormonitor screen.

- Input commercial broadcast or video signal to video input terminal.
- 2. Make recording on self-recording tape in SP mode. Play it back.
- 3. Press the SLOW button and put the unit in slow mode.
- 4. In the slow mode, get TP802 on the main PWB short-circuited. Make sure all the display marks light up and the test mode is called up.
- 5. Watching the color monitor screen, press the tracking/channel select (+) and (-) buttons. Sweep the noise bar down to the bottom of the color monitorscreen.
- Press the PLAY button to bring back the play mode. Then press the PAUSE/STILL button to call up the still play mode. Now make sure there is no noise bar on the screen.
- 7. For the EP mode put adjustment at the same adjustment way as SP mode.

5-3. ADJUSTMENT OF FV (False Vertical Sync) OF STILL PICTURE

Measuring instrument	Color TV monitor
Mode	Make recording on self-recording tape in SP mode or EP mode. Play it back.
Input signal	Commercial broadcast or video signal
Test point	Color TV monitor
Adjusting point	TRACKING/CHANNEL select (+) and (-) buttons of the set.
Specification	No vertical jitter of picture

- Input commercial broadcast or video signal to video input terminal.
- 2. Make recording on self-recording tape in SP mode. Play it back.

- 3. Press the PAUSE/STILL button to freeze the picture.
- 4. Look at the monitor screen and adjust (+) or (-) TRACK-ING/CHANNEL select buttons so that the vertical jitter of the picture is minimized.
- 5. For the EP mode put adjustment at the same adjustment way as SP mode.

5-4 CHECKING OF OFF TRACK

Measuring instrument	Color TV monitor
Mode	Playback
Cassette	Self-recorded tape (EP mode) (See Note below)
Control	Tracking/CH control buttons(+) or (-)

- Play a cassette which was recorded by the unit in EP mode.
- 2. Short circuit between TP802 on the main PWB, and press both Tracking/CH button (+) and Tracking/CH button (-) at same time.
- 3. Press the Tracking/CH buttons (+) and (-) 20 times each to bring the tracking off center. Make sure that:
 1) There is nothing unusual on the playback screen.
 2) There is nothing unusual in the Hi-Fi sound.
- 4. Cancel the short circuit.

Note:

Self-recorded tape is a cassette whose program was recorded by the unit being adjusted.

Y/C CIRCUIT ADJUSTMENT (75 ohm terminated)

5-5 CHECKING OF E-E LEVEL

Measuring instrument	Oscillosccope
Mode	E-E (S-VHS EP mode), DNR-OFF
Input Signal	Standard color bar signal (S input terminal), 1.0 Vp-p
Test point	S output terminal (terminated)
Adjusting point	Hold down the STOP button (S885) and SET button (S802) at once, and adjust the level using the CH UP(+)/DN(-) buttons on the set or the remote controller.
Specification	1.00 ± 0.04 Vp-p

- 1. Feed the standard color bar signal (1.0 Vp-p) via the S input terminal to call up the S-VHS mode.
- 2. Hold down the STOP button (S885) on the operation PWB and the SET button (S802) on the main PWB at once for about 2 seconds to call up the test mode.
- 3. Press the numeric button "1" on the remote controller. (Make sure "Y:1" appears on the set's display.)

- Press the CH UP(+) or DN(-) button on the set or the remote controller until the E-E level becomes as specified.
- 5. Finally take the above step 2 again to quit the test mode. (You don't have to hold them down 2 seconds or longer.)

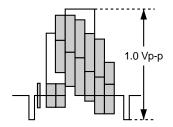


Figure 5-3.

5-6 ADJUSTMENT OF VCO

Measuring instrument	Oscilloscope
Mode	E-E mode (VHS)
Input Signal	Standard color bar signal (S input terminal), 1.0 Vp-p
Test point	TP501 ~ GND
Adjusting point	FL501 (VCO Adj.)
Specification	2.5 ± 0.1 Vp-p

- 1. Feed the standard color bar signal (1.0 Vp-p) via the S input terminal to call up the VHS E-E mode.
- Watching the oscilloscope screen, adjust the FL501 (VCO adjustment) control until the TP501-to-GND output becomes as specified.

5-7 CHECKING OF SUB EMPHASIS LEVEL

Measuring instrument	Oscillosccope
Mode	E-E (S-VHS EP mode), DNR-OFF
Input Signal	Standard color bar signal (S input terminal), 1.0 Vp-p
Test point	TP403 ~ GND
Adjusting point	Hold down the STOP button (S885) and SET button (S802) at once, and adjust the level using the CH (+)/(-) buttons on the set or the remote controller.
Specification	400 ± 10 mVp-p

- 1. Feed the standard color bar signal (1.0 Vp-p) via the S input terminal to call up the S-VHS mode.
- 2. Hold down the STOP button (S885) on the operation PWB and the SET button (S802) on the main PWB at once for about 2 seconds to call up the test mode.

- 3. Press the numeric button "2" on the remote controller. (Make sure "Y:2" appears on the set's display.)
- Press the CH UP(+) or DN(-) button on the set or the remote controller until the sub-emphasis level becomes as specified.
- 5. Finally take the above step 2 again to quit the test mode. (You don't have to hold them down 2 seconds or longer.)

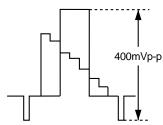


Figure 5-4.

5-8 S-VHS / S-VHS ET / VHS WHITE CLIP LEVEL ADJUSTMENT

Measuring instrument	Oscillosccope
Mode	REC (S-VHS/VHS/S-VHS ET SP/EP mode), DNR-OFF
Input Signal	Standard color bar signal (S input terminal), 1.0 Vp-p
Test point	TP402 ~ GND
Adjusting point	Hold down the STOP button (S885) and SET button (S802) at once, and adjust the level using the CH (+)/(-) buttons on the set or the remote controller.
Specification	110 ± 5% (S-VHS) 90 ± 5% (S-VHS ET/VHS)

- 1. Feed the standard color bar signal (1.0 Vp-p) via the S input terminal to call up the S-VHS mode.
- 2. Hold down the STOP button (S885) on the operation PWB and the SET button (S802) on the main PWB at once for about 2 seconds to call up the test mode.
- 3. Press the numeric button "3" on the remote controller. (Make sure "Y:3" appears on the set's display.)
- 4. Press the CH UP(+) or DN(-) button on the set or the remote controller until the white clip level becomes as specified.
- Finally take the above step 2 again to quit the test mode. (You don't have to hold them down 2 seconds or longer.)
- 6. For the S-VHS ET and VHS modes too, take the same adjustment procedure as for the S-VHS mode. For the S-VHS ET mode, insert a VHS cassette and turn on the S-VHS ET button on the remote controller. For the VHS mode, insert a VHS cassette and turn off the S-VHS ET button on the remote controller.

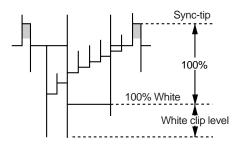


Figure 5-5.

5-9 S-VHS / S-VHS ET / VHS FM CARRIER/ DEVIATION ADJUSTMENT

Measuring instrument	Spectrum analyser
Mode	REC (S-VHS/VHS/S-VHS ET SP/EP mode), DNR-OFF
Input Signal	Standard color bar signal (S input terminal), 1.0 Vp-p
Test point	TP203 ~ GND
Adjusting point	Hold down the STOP button (S885) and SET button (S802) at once, and adjust the level using the CH (+)/(-) buttons on the set or the remote controller.
Specification	S-VHS/S-VHS ET: 5.4 ± 0.05 MHz (FM Carrier) 7.0 ± 0.05 MHz (Deviation)
	VHS: 3.4 ± 0.05 MHz (FM Carrier) 4.4 ± 0.05 MHz (Deviation)

- 1. Feed the standard color bar signal (1.0 Vp-p) via the S input terminal to call up the S-VHS mode.
- 2. Hold down the STOP button (S885) on the operation PWB and the SET button (S802) on the main PWB at once for about 2 seconds to call up the test mode.
- 3. Press the numeric button "4" on the remote controller. (Make sure "Y:4" appears on the set's display.)
- Press the CH UP(+) or DN(-) button on the set or the remote controller until the FM carrier frequency becomes as specified.
- 5. Finally take the above step 2 again to quit the test mode. (You don't have to hold them down 2 seconds or longer.)
- Next take the above step 2 again to adjust the FM deviation. Press the numeric button "5" on the remote controller. (Make sure "Y:5" appears on the set's display.)
- Press the CH UP(+) or DN(-) button on the set or the remote controller until the FM deviation becomes as specified.
- Finally take the above step 2 again to quit the test mode. (You don't have to hold them down 2 seconds or longer.)
- 9. For the S-VHS ET and VHS modes too, take the same

adjustment procedure as for the S-VHS mode. For the S-VHS ET mode, insert a VHS cassette and turn on the S-VHS ET button on the remote controller. For the VHS mode, insert a VHS cassette and turn off the S-VHS ET button on the remote controller.

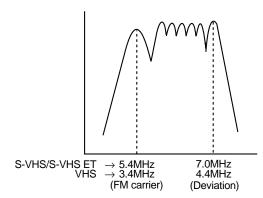


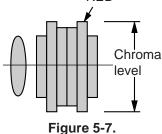
Figure 5-6.

5-10 S-VHS / S-VHS ET / VHS REC CHROMA CURRENT ADJUSTMENT

Measuring instrument	Oscilloscope
Mode	REC (S-VHS/VHS/S-VHS ET SP/EP mode), DNR-OFF
Input Signal	Standard color bar signal (S input terminal), 1.0 Vp-p
Test point	EP mode:Pins (1)(+) and (2)(-) of TP305 SP mode:Pin (1) of TP307 ~ GND
Adjusting point	Hold down the STOP button (S885) and SET button (S802) at once, and adjust the level using the CH (+)/(-) buttons on the set or the remote controller.
Specification	S-VHS: EP mode: 24 ± 2 mVp-p (Red level) SP mode: 28 ± 2 mVp-p (Red level)
	S-VHS ET: EP mode: 20 ± 2 mVp-p (Red level) SP mode: 26 ± 2 mVp-p (Red level)
	VHS: EP mode: 26 ± 2 mVp-p (Red level) SP mode: 28 ± 2 mVp-p (Red level)

- 1. Feed the standard color bar signal (1.0 Vp-p) via the S input terminal to call up the S-VHS EP mode.
- 2. Hold down the STOP button (S885) on the operation PWB and the SET button (S802) on the main PWB at once for about 2 seconds to call up the test mode.
- 3. Press the numeric button "7" on the remote controller. (Make sure "Y:7" appears on the set's display.)
- 4. Connect a $47\mu F/16V$ or higher capacitor between pins (1) and (2) of TP305. Make the FM component short-circuited.

- 5. Press the CH UP(+) or DN(-) button on the set or the remote controller until the RED level of chroma signal becomes as specified.
- 6. Next call up the SP mode and make sure the output at pin (1) of TP307 is 1.2 dB greater than that in the EP mode. Readjust if out of spec.
- 7. Next call up the S-VHF ET EP mode.
- 8. Press the CH UP(+) or DN(-) button on the set or the remote controller until the sync tip level becomes as specified.
- 9. Call up the SP mode and make sure the output at pin (1) of TP307 is 2.1 dB greater than that in the EP mode.
- 10.Next call up the VHF EP mode.
- 11.Press the CH UP(+) or DN(-) button on the set or the remote controller until the sync tiplevel becomes as specified.
- 12.Call up the SP mode and make sure the output at pin (1) of TP307 is 0.6 dB greater than that in the EP mode.
- 13. Finally disconnect the capacitor that was connected in the above step 4.



5-11 S-VHS/S-VHSET/VHSRECFMCURRENT ADJUSTMENT

Measuring instrument	Oscilloscope
Mode	REC (S-VHS/VHS/S-VHS ET SP/EP mode), DNR-OFF
Input Signal	Standard color bar signal (S input terminal), 1.0 Vp-p
Test point	EP mode:Pins (1)(+) and (2)(-) of TP305 SP mode:Pin (3) of TP307 ~ GND
Adjusting point	Hold down the STOP button (S885) and SET button (S802) at once, and adjust the level using the CH (+)/(-) buttons on the set or the remote controller.
Specification	S-VHS: EP mode: 84 ± 4 mVp-p (sync tip) SP mode: 100 ± 4 mVp-p (sync tip)
	S-VHS ET: EP mode: 70 ± 4 mVp-p (sync tip) SP mode: 90 ± 4 mVp-p (sync tip)
	VHS: EP mode: 92 ± 4 mVp-p (sync tip) SP mode: 104 ± 4 mVp-p (sync tip)

- 1. Feed the standard color bar signal (1.0 Vp-p) via the S input terminal to call up the S-VHS EP mode.
- 2. Hold down the STOP button (S885) on the operation PWB and the SET button (S802) on the main PWB at once for about 2 seconds to call up the test mode.
- 3. Press the numeric button "8" on the remote controller. (Make sure "Y:8" appears on the set's display.)
- 4. Press the CH UP(+) or DN(-) button on the set or the remote controller until the sync tip level becomes as specified.
- 5. Next call up the SP mode and make sure the output at pin (3) of TP307 is 1.5 dB greater than that in the EP mode. Readjust if out of spec.
- 6. Next call up the S-VHF ET EP mode.
- 7. Press the CH UP(+) or DN(-) button on the set or the remote controller until the sync tip level becomes as specified.
- 8. Call up the SP mode and make sure the output at pin (3) of TP307 is 2.2 dB greater than that in the EP mode.
- 9. Next call up the VHF EP mode.
- 10.Press the CH UP(+) or DN(-) button on the set or the remote controller until the sync tiplevel becomes as specified.
- 11.Call up the SP mode and make sure the output at pin (3) of TP307 is 1.1 dB greater than that in the EP mode.

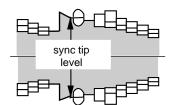


Figure 5-7.

5-12 S-VHS/S-VHSET/VHSPLAYBACKLEVEL ADJUSTMENT

Measuring instrument	Oscilloscope
Mode	PLAYBACK (S-VHS/VHS), DNR-OFF
Cassette	Alignment tape (VROLTHCS) (S-VHS NTSC color bar) Alignment tape (VROATSV) (VHS NTSC color bar)
Test point	S output terminal (Terminated)
Adjusting point	Hold down the STOP button (S885) and SET button (S802) at once, and adjust the level using the CH (+)/(-) buttons on the set or the remote controller.
Specification	1.00 ± 0.04 Vp-p

- Playback the alignnment tape. (VROLTHCS for S-VHS, VROATSV FOR VHS)
- 2. Hold down the STOP button (S885) on the operation PWB and the SET button (S802) on the main PWB at once for about 2 seconds to call up the test mode.

- 3. Press the numeric button "6" on the remote controller. (Make sure "Y:6" appears on the set's display.)
- 4. Press the CH UP(+) or DN(-) button on the set or the remote controller until the playback level becomes as specified.
- 5. Finally take the above step 2 again to quit the test mode.
- 6. For the S-VHS ET and VHS modes too, take the same adjustment procedure as for the S-VHS mode.

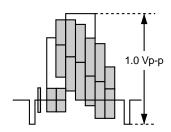


Figure 5-8.

MTS CIRCUIT ADJUSTMENT

5-13 ADJUSTMENT OF SIF-INPUT LEVEL

Measuring instrument	AC milli-voltmeter and RF signal generator.
Mode	E-E
Input signal	RF CH-10 (at 1kHz 100%MOD.)
Test point	AUDIO OUT jack
Control	R141(S-IF ADJ.)
Specification	−3 ± 1dBs (1.2~2.0Vp-p)

- 1. Feed the RF signal CH-10 (at 1kHz 100%MOD.) to antenna terminal.
- 2. Connect the AC milli-voltmeter to AUDIO OUT jack.
- 3. Adjust R141(S-IF ADJ.) so that the AC milli-voltmeter reads -3 ± 1 dBs.

5-14 ADJUSTMENT OF FILTER

Measuring instrument	AC milli-voltmeter
Mode	E-E
Input signal	22.9kHz at 245mVrms
Test point	TP164 (Sig.),TP165 (GND)
Control	R163 (FILTER ADJ.)
Specification	Minimized

- 1. Make the short circuited to TP162 (Sig.)~TP163 (GND).
- Connect the AC milli-voltmeter to TP164 (Sig.)~TP165 (GND).

- 3. Feed the 22.9kHz at 245mVrms signal to the TP161(Sig.)~TP163 (GND).
- 4. Adjust R163 (FILTER ADJ.) so that the AC milli-voltmeter reads minimized.

5-15 ADJUSTMENT OF STEREO VCO

Measuring instrument	AC milli-voltmeter			
Mode	E-E			
Input signal	15.734kHz at 50mVrms			
Test point	TP168 (Sig.),TP169 (GND)			
Control	R162 (STEREO VCO ADJ.)			
Specification				

- 1. Make the short circuited to TP162 (Sig.)~TP163 (GND).
- Connect the AC milli-voltmeter to TP168(Sig.)~TP169 (GND).
- 3. Make a note of the level of TP168 (Sig.)~TP169 (GND).
- 4. Feed the 15.734kHz at 50mVrms signal to the TP161(Sig.)~TP163 (GND).
- 5. Adjust R162 (STEREO VCO ADJ.) so that the levels for non signal inputed STEP 3. and inputed be just the same.
- 6. When the 15.734kHz at 50mVrms signal is fed confirm the display "STEREO" is indicated on OSD.

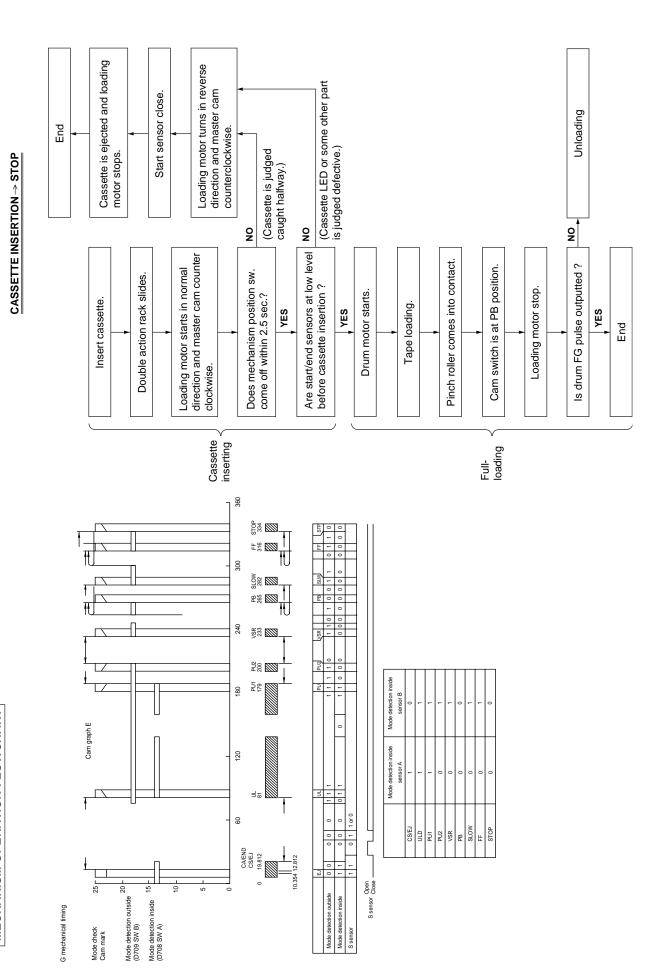
5-16 ADJUSTMENT OF STEREO SEPARA-TION

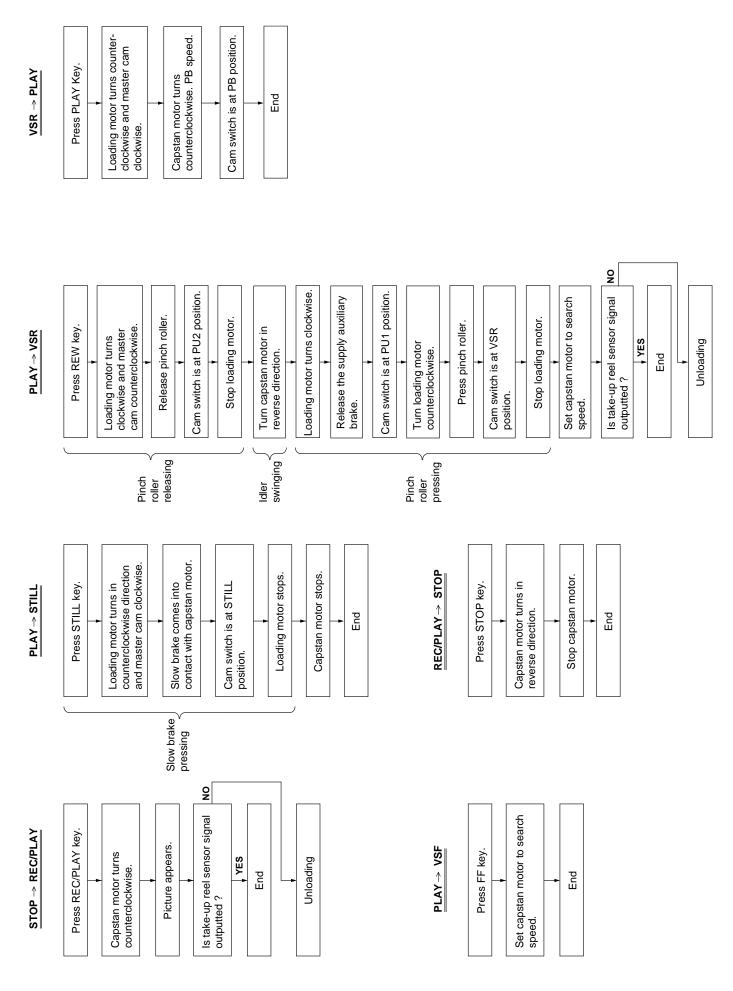
Measuring instrument	Dual AC milli-voltmeter and RF signal generator.				
Mode	E-E				
Input signal	RF CH-10 (300Hz and 3kHz 30% modulation)				
Test point	AUDIO OUT jack				
Control	R164 (SEPARATION-1 ADJ.) R165 (SEPARATION-2 ADJ.)				
Specification	maximized				

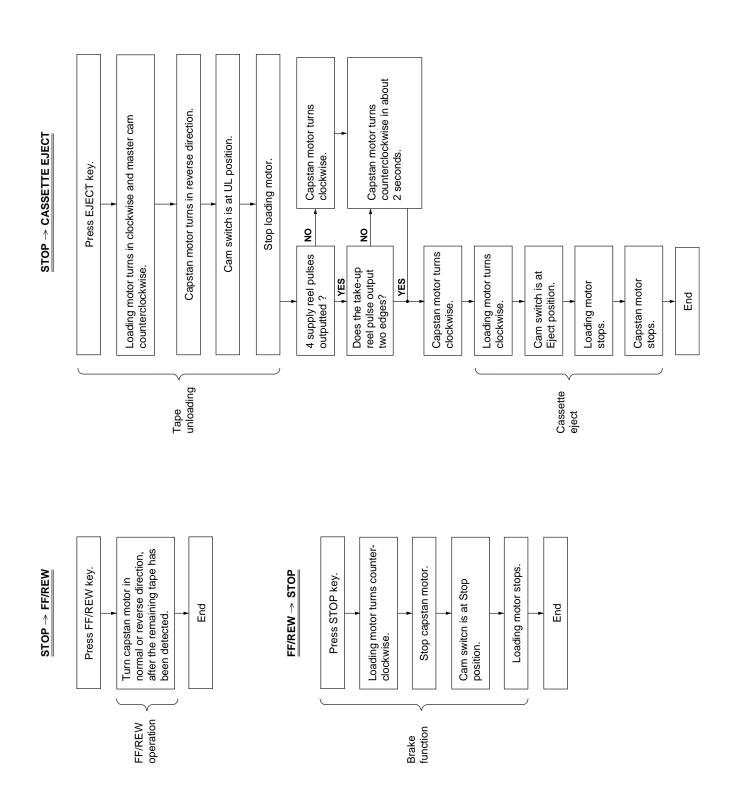
- 1. Feed the RF signal CH-10 (300Hz and 3kHz 30% modulation) to antenna terminal.
- 2. Connect an Dual AC milli-voltmeter to left channel and right channel output terminales.
- Set the audio signal to 300Hz and the modulation factor to 30% (Left channel only) and adjust R164 (SEPARATION-1 ADJ.) so that the difference between left channel and right channel outputs becomes maximized.
- Set the audio signal to 3kHz and the modulation factor to 30% (right channel only) and adjust R165 (SEPA-RATION-2 ADJ.) so that the difference between left channel and right channel outputs becomes maximized.
- 5. Repeat STEP 3. until obtain a specification.

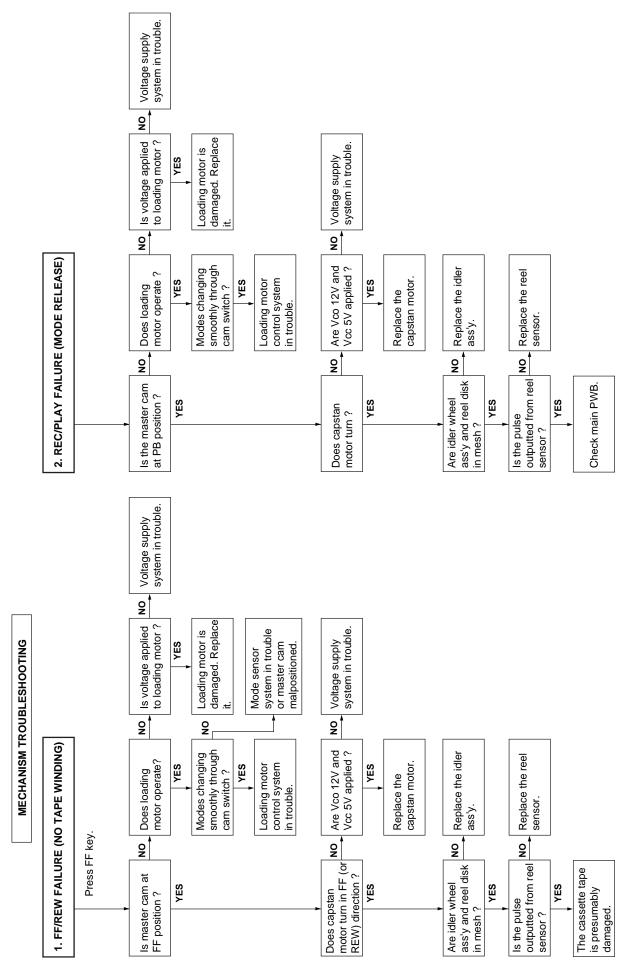
6. MECHANISM OPERATION FLOWCHART AND TROUBLESHOOTING GUIDE

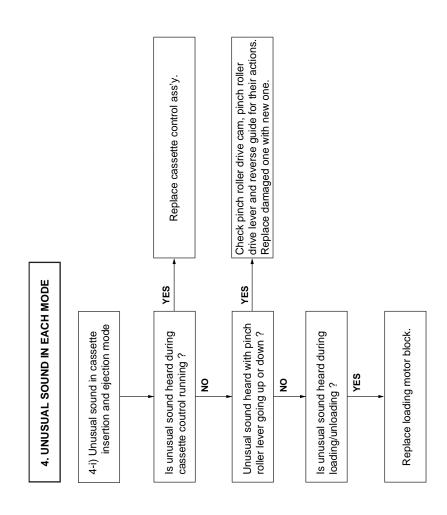
MECHANISM OPERATION FLOWCHART

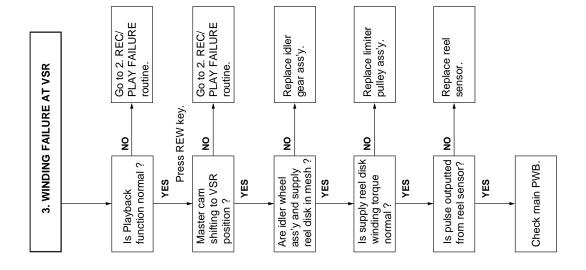


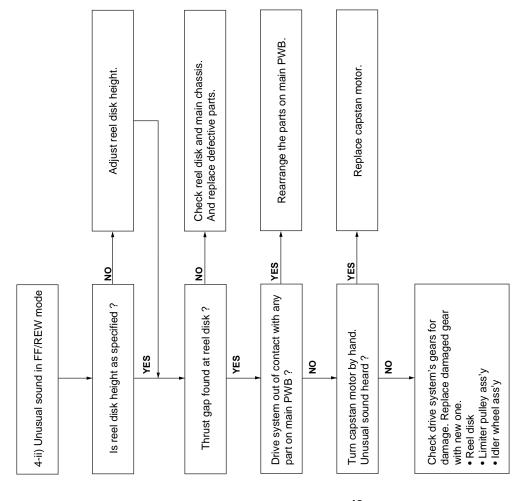




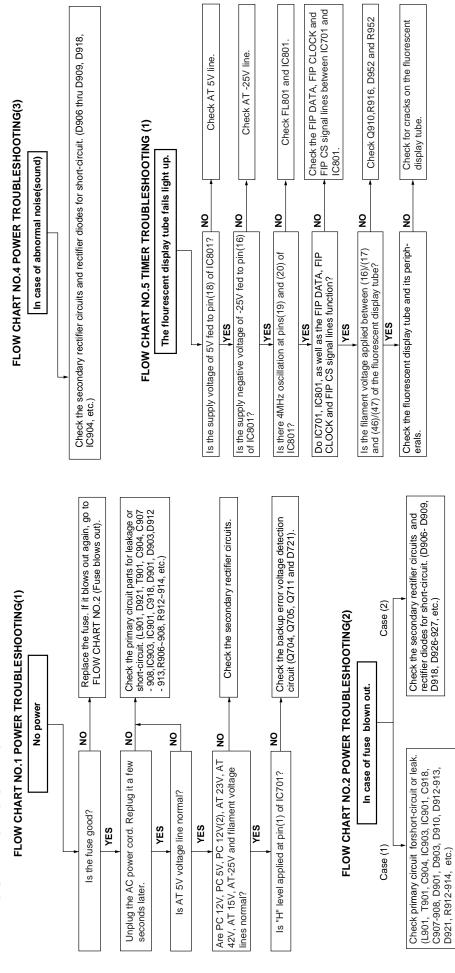


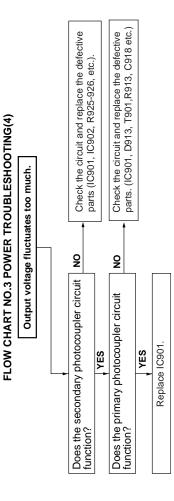


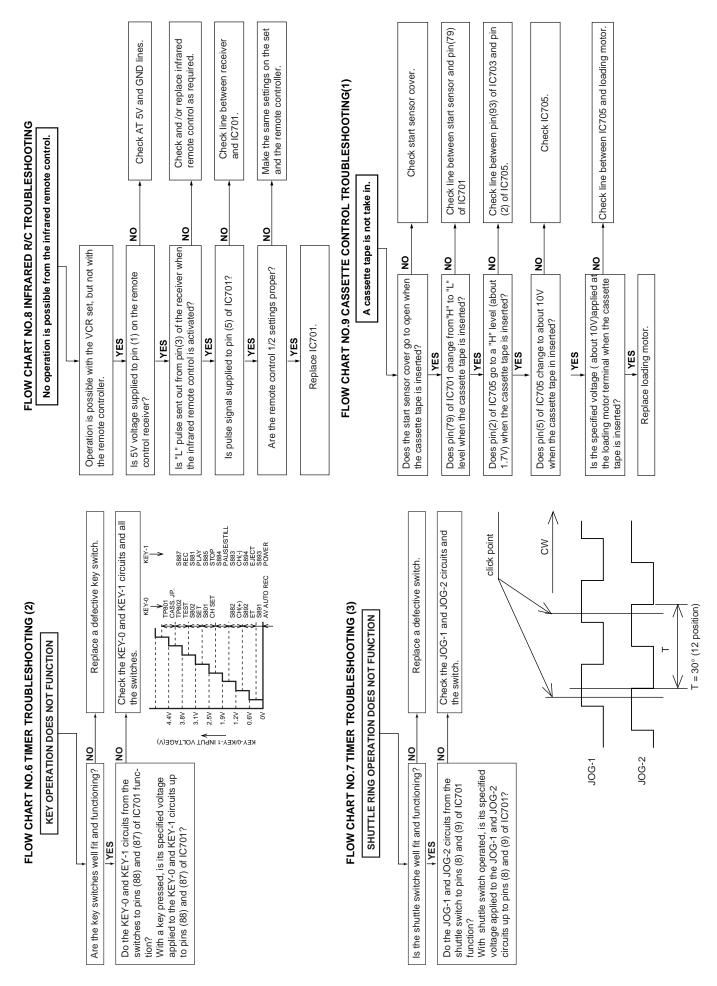


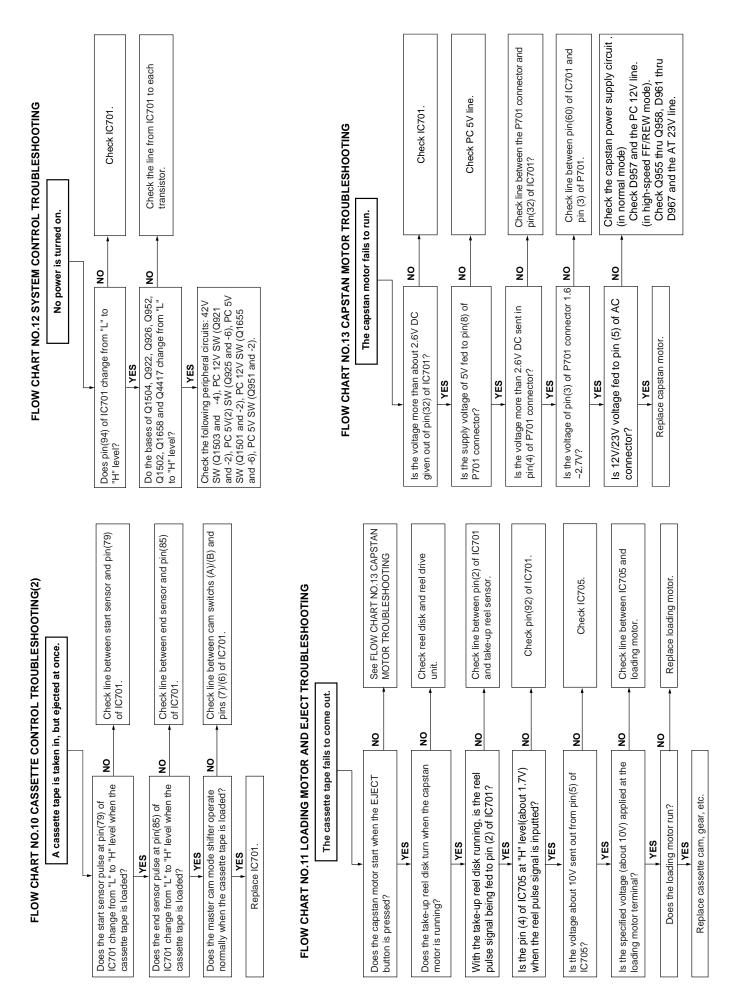


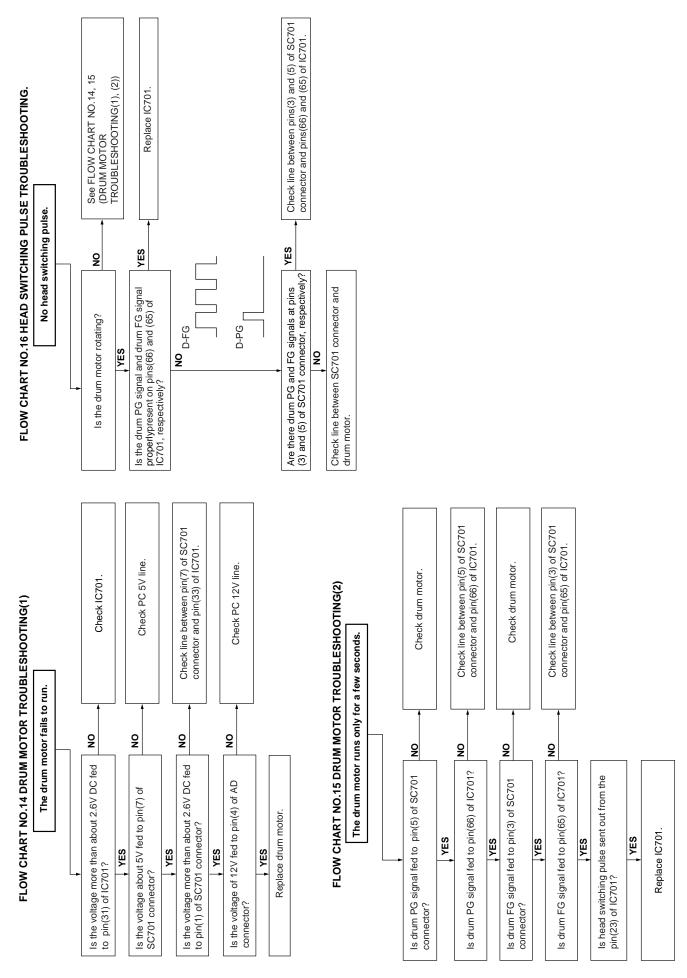
7. TROUBLESHOOTING

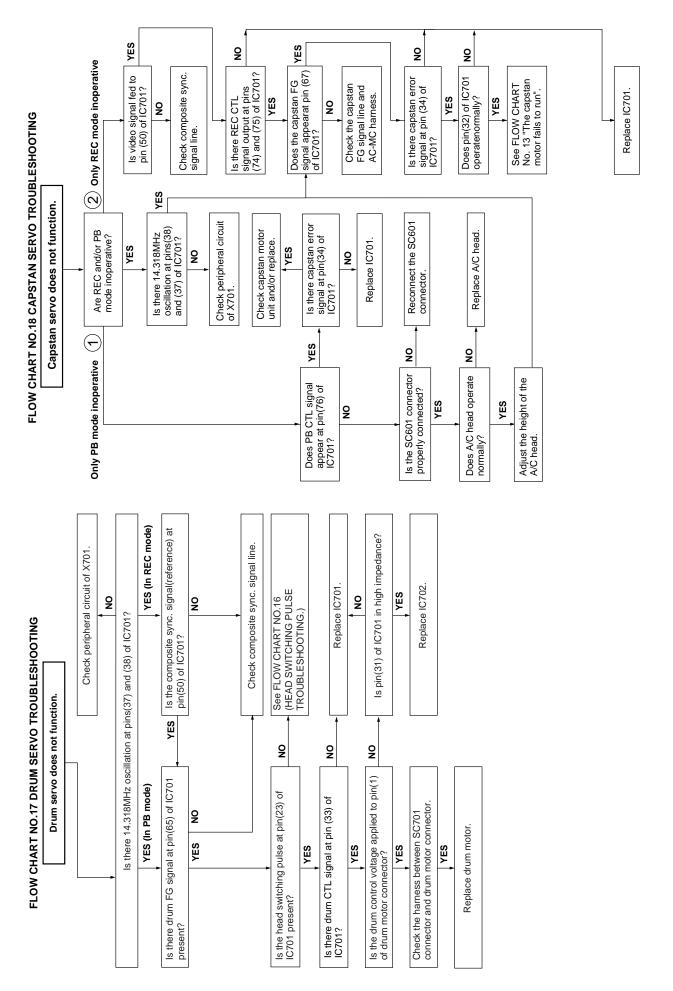


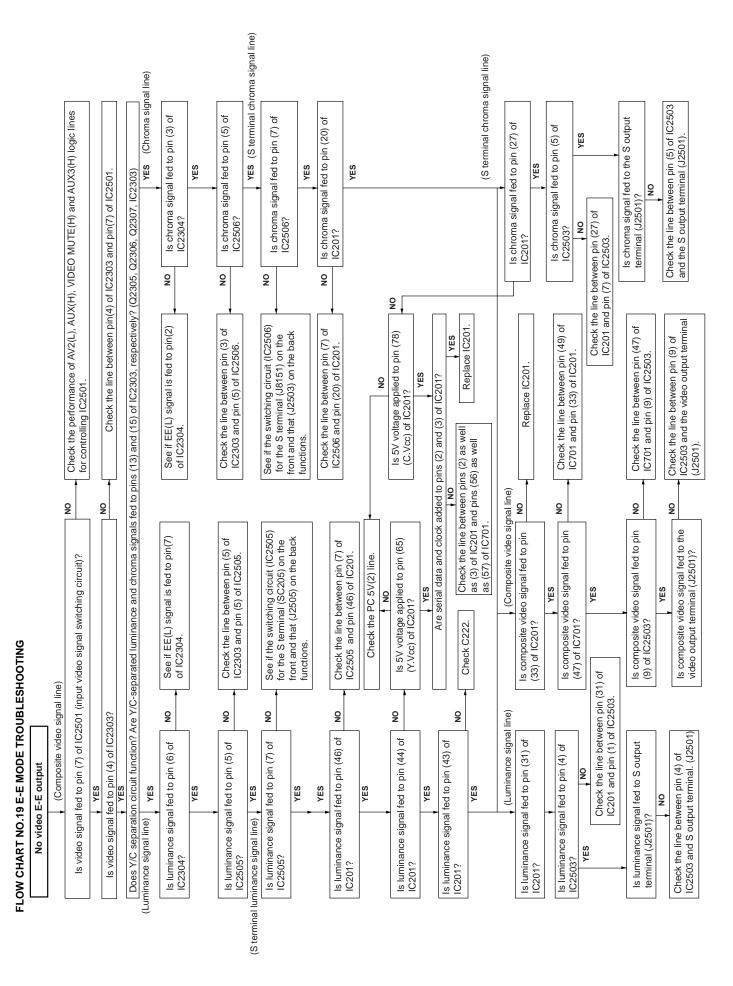


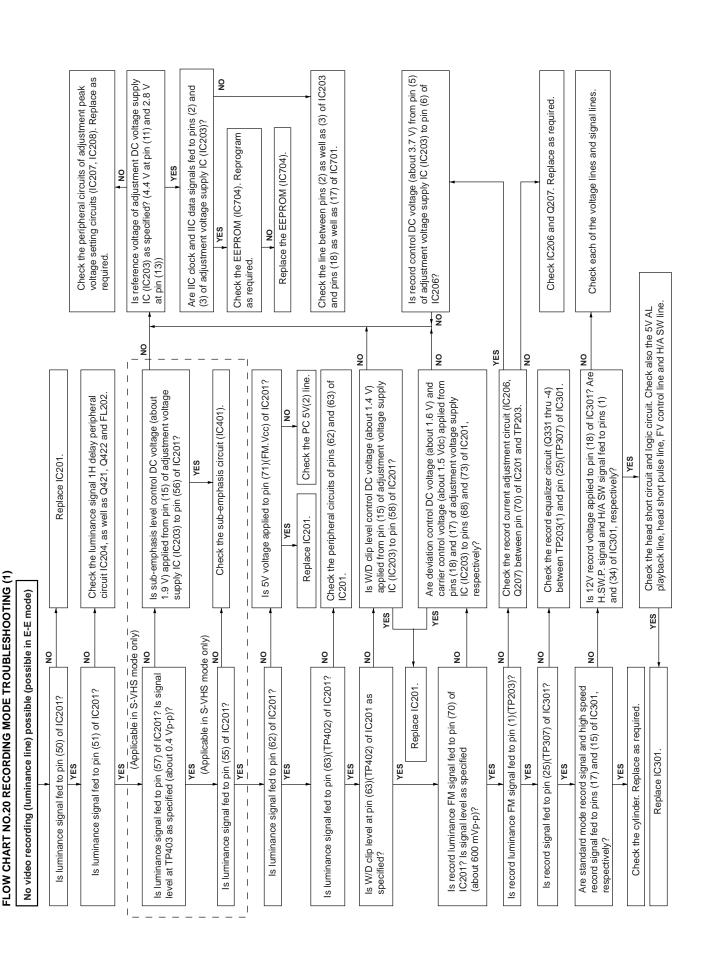


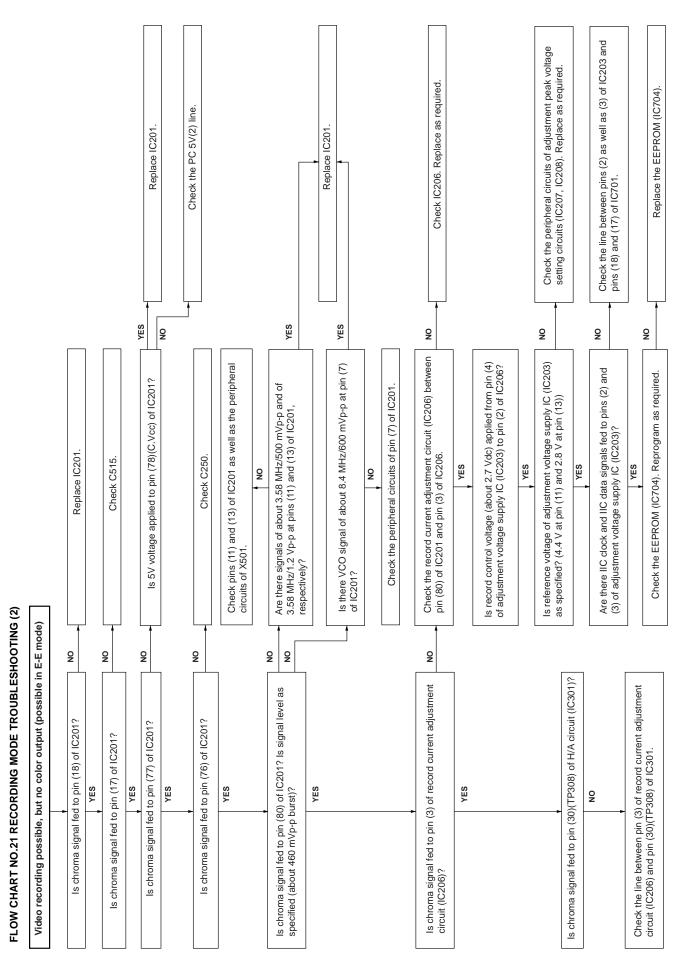


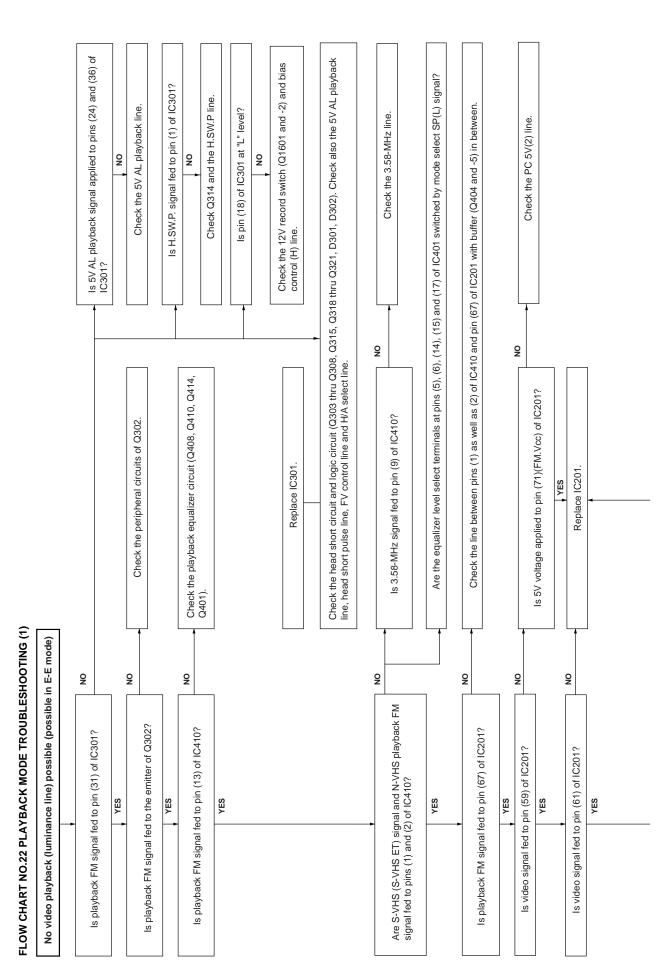


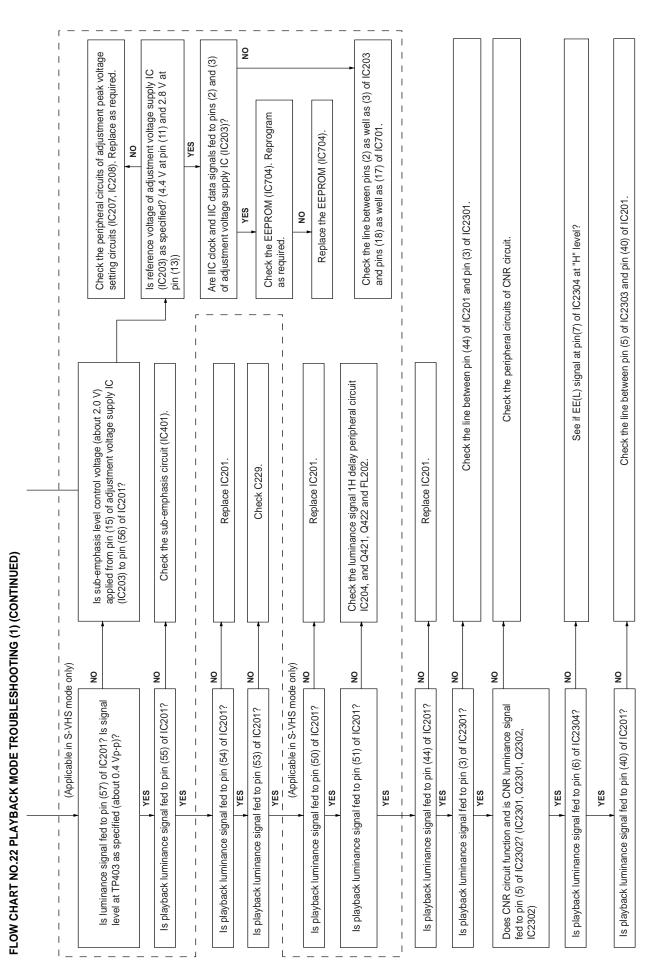


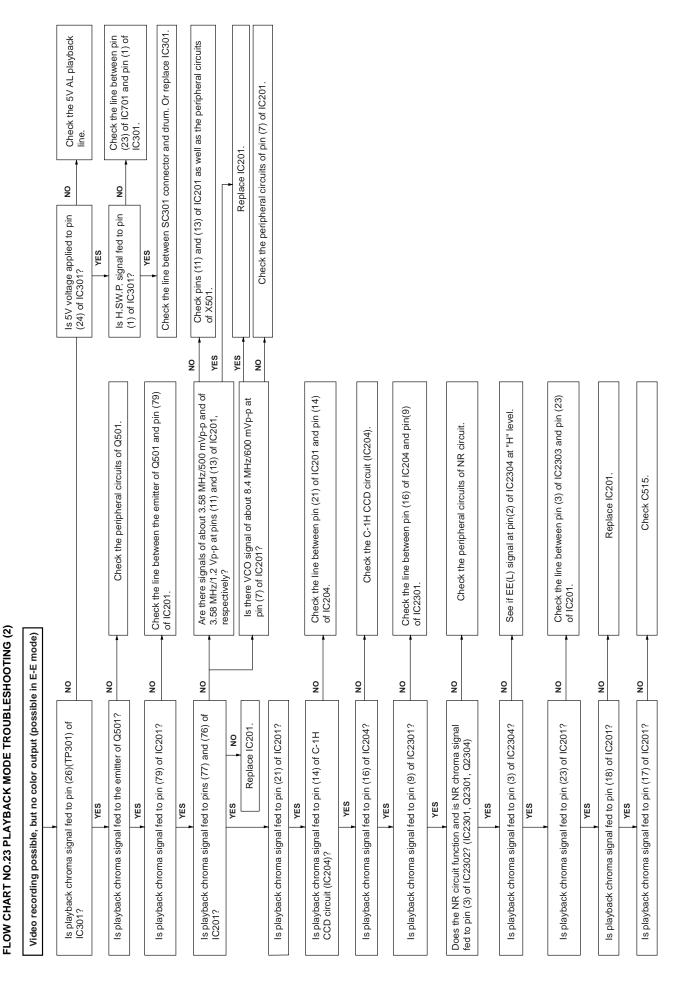


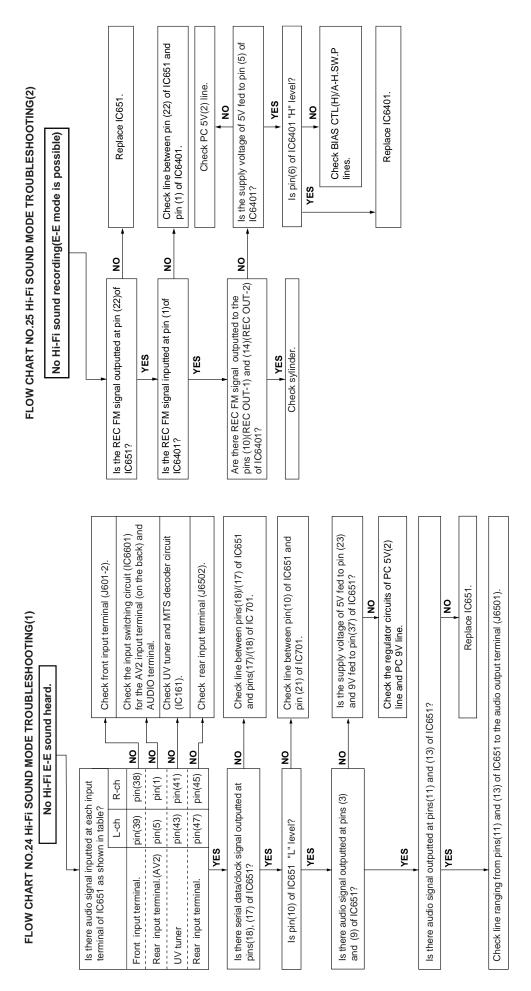


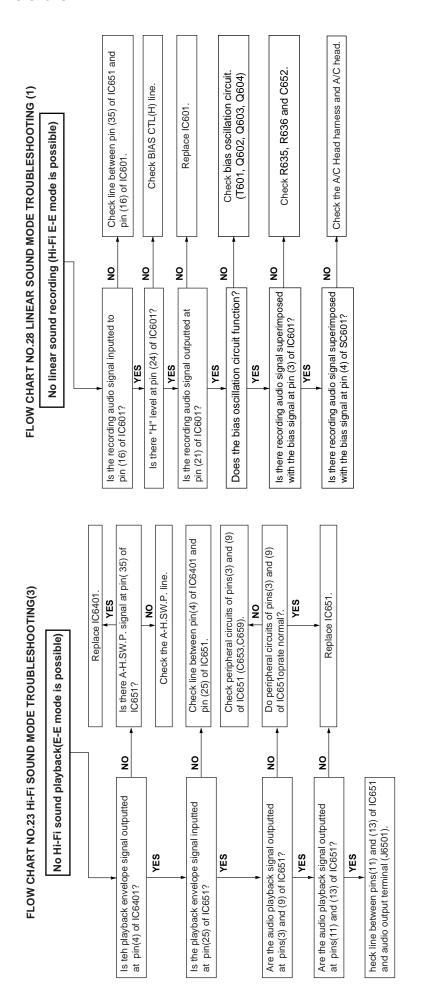


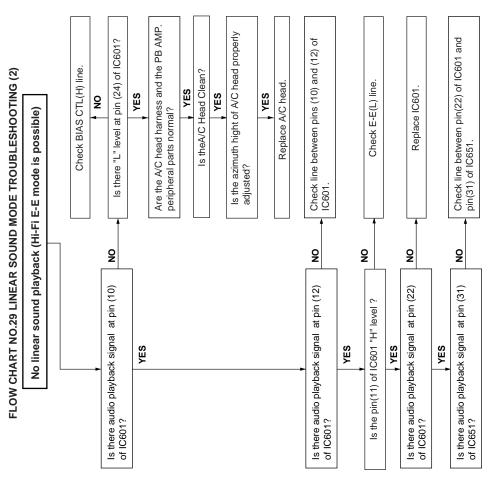






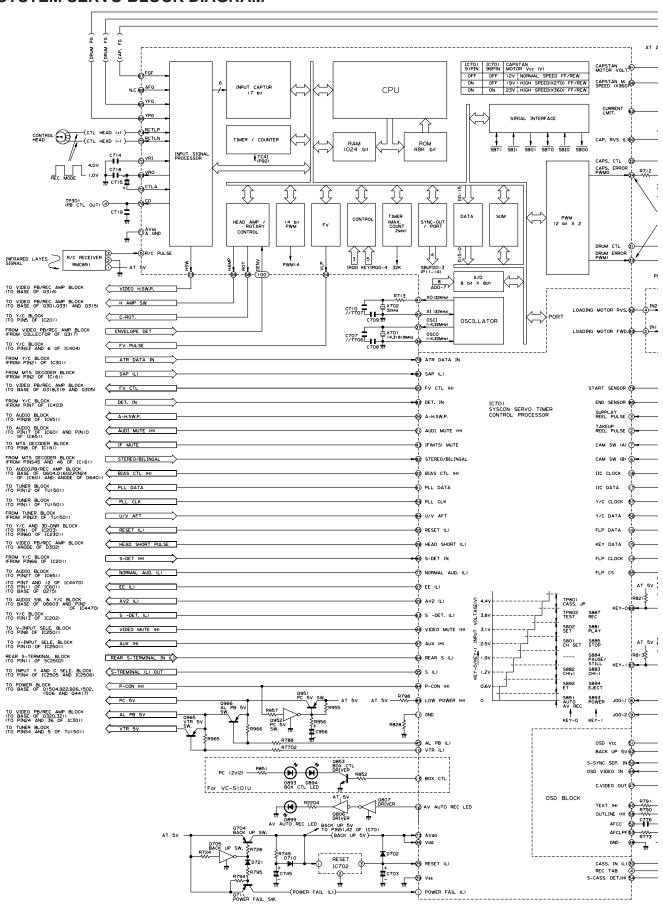


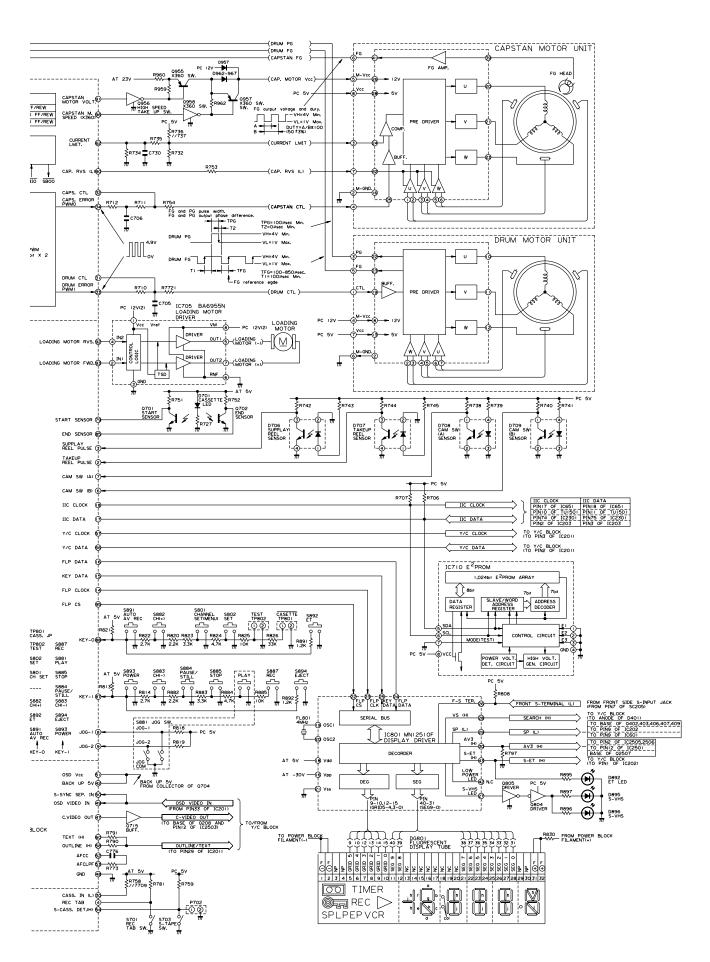




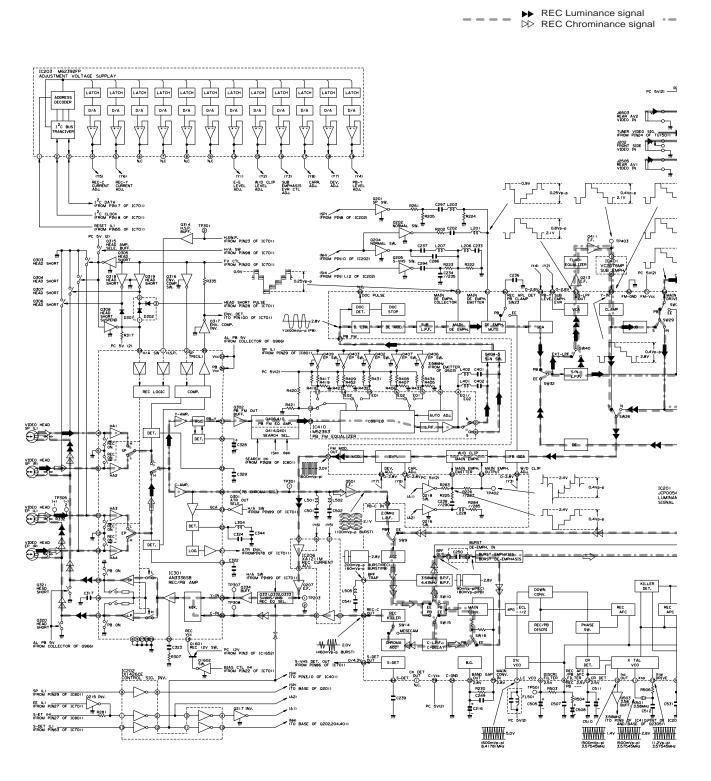
8. BLOCK DIAGRAM

SYSTEM SERVO BLOCK DIAGRAM

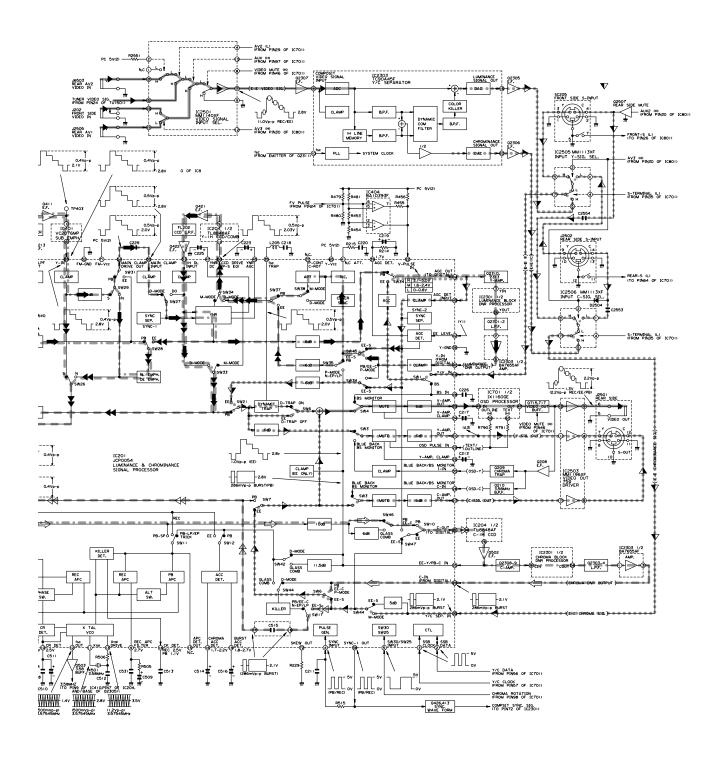




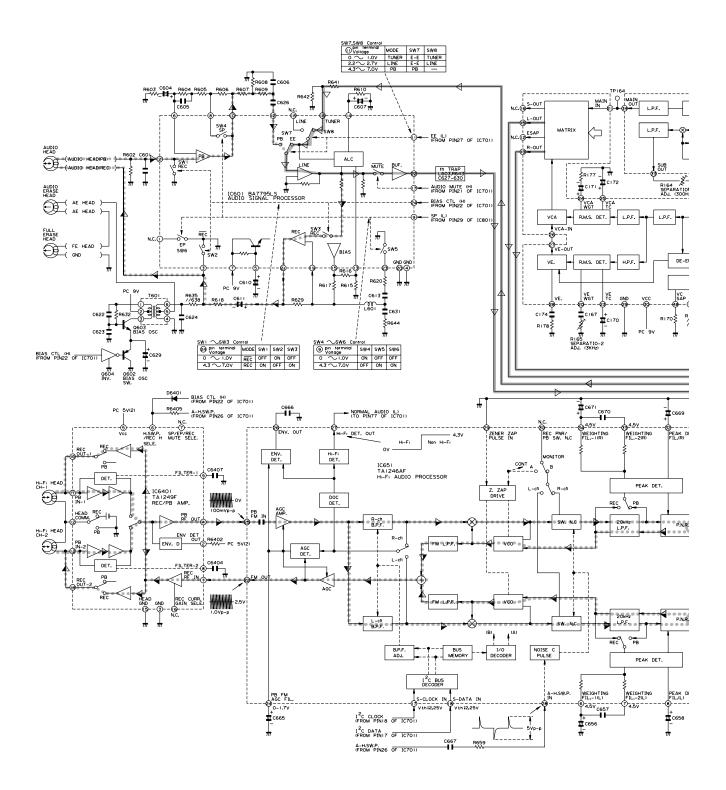
SIGNAL FLOW BLOCK DIAGRAM



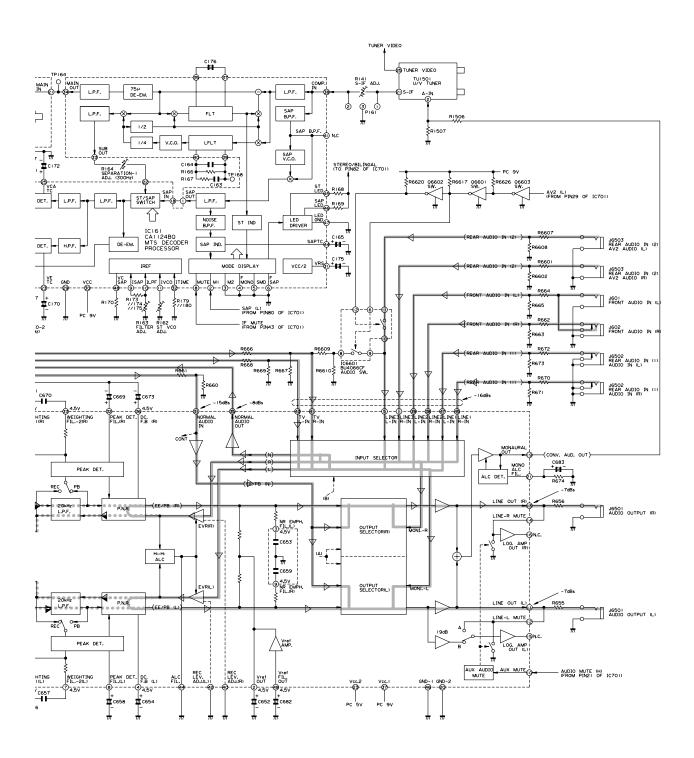




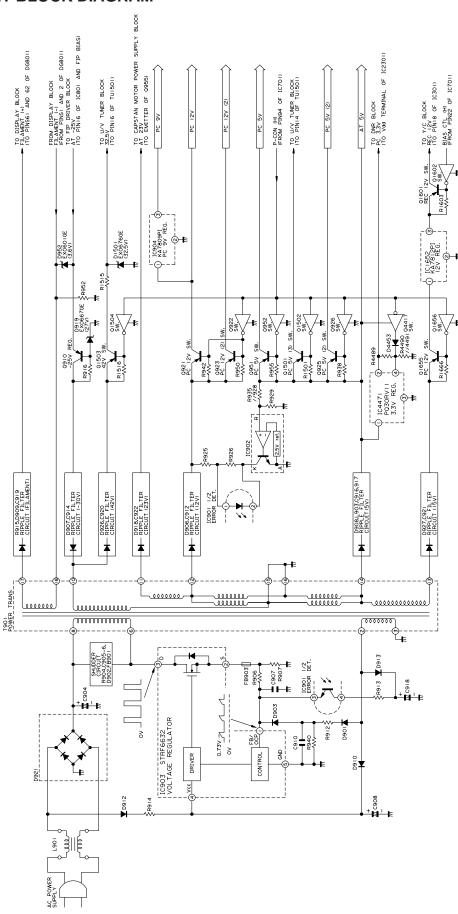
AUDIO BLOCK DIAGRAM



▶ REC Signal▶ PB Signal



POWER CIRCUIT BLOCK DIAGRAM



SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:

BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFE-TY AND PERFORMANCE OF THE SET.

AVIS DE SECURITE IMPORTANT:

LES PIECES MARQUEES " \wedge " () SONT IMPORTANTES POUR MAINTENIR LA SECURITE DE L'APPAREIL.

NE REMPLACER CES PIECES QUE PAR DES PIECES DONT LE NUMERO EST SPECIFIE POUR MAINTENIR LA SECURITE ET PROTEGER LE BON FONCTIONNEMENT DE L'APPAREIL. The indicated voltages in the following diagram are measured with an SSVM, upon receiving color bars (400 Hz sound signal) in either the record mode or the play mode voltage is indicated as follows.

> 4.0 Record mode (SP) (4.0) PB mode (SP) [4.0] LP mode 4.0 EP mode

NOTE:

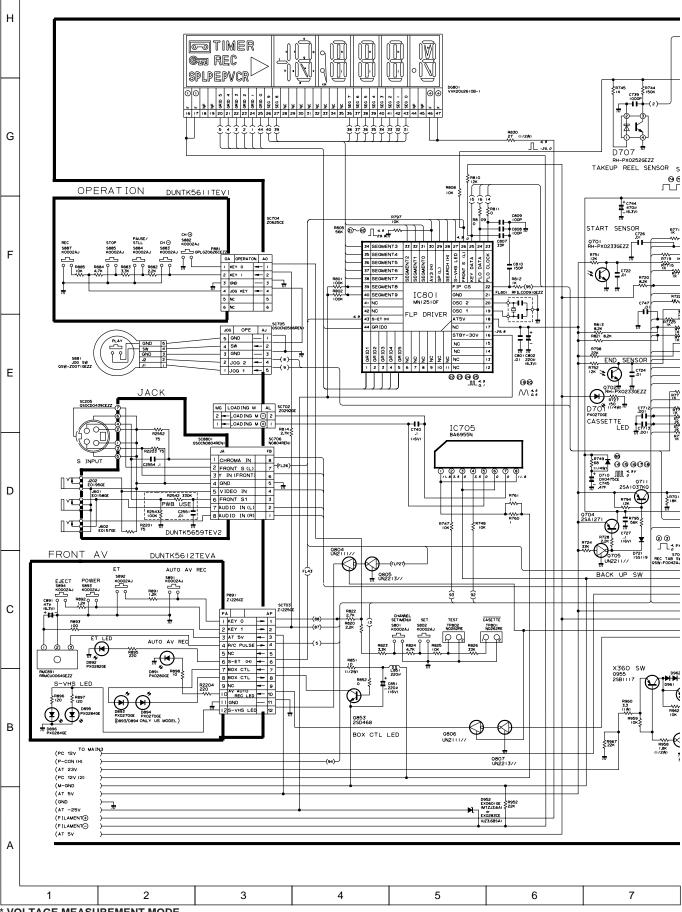
- 1. The unit of resistance "ohm" is omitted (K: 1000 ohms M: 1 Meg ohm).
- 2. All resistors are 1/8 watt, unless otherwise noted.
- 3. All capacitors μF , unless otherwise noted P: $\mu \mu F$.

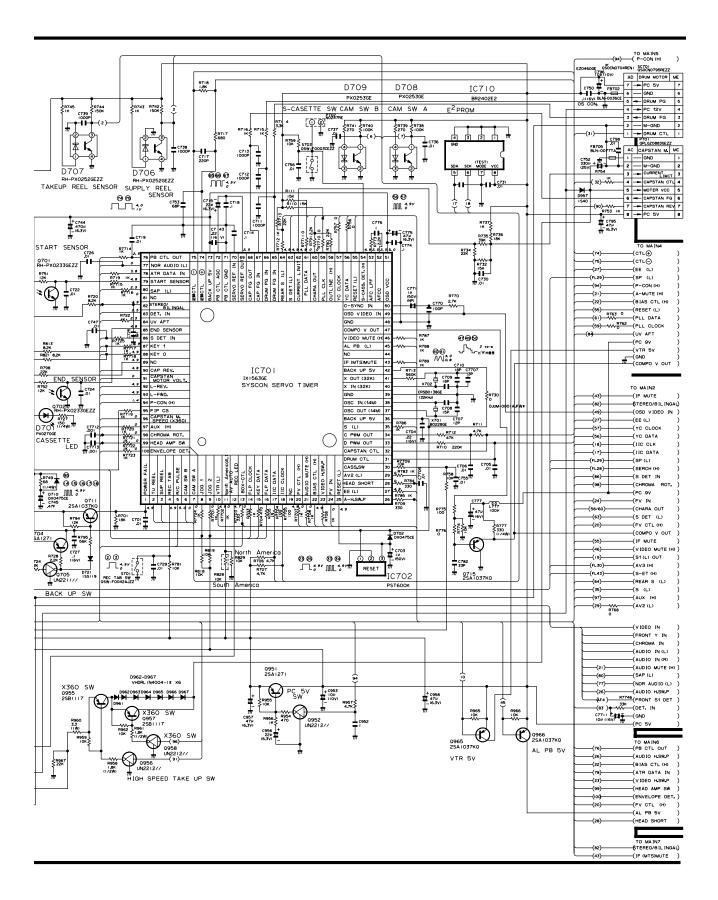
Voltages and waveform are measured as follows:

 DC voltages are measured with an SSVM placed between points indicated and chassis ground, with the supply voltage of 120V AC and all controls for normal positions.

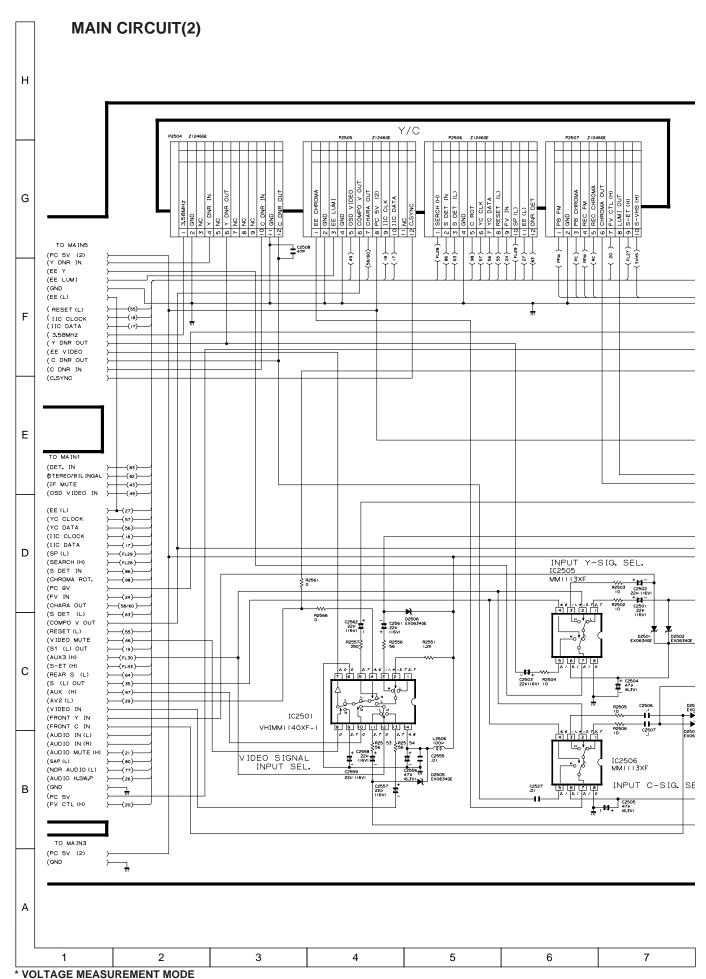
This circuit diagram is a standard one, actual circuits printed may be subject to change for product improvement without prior notice.

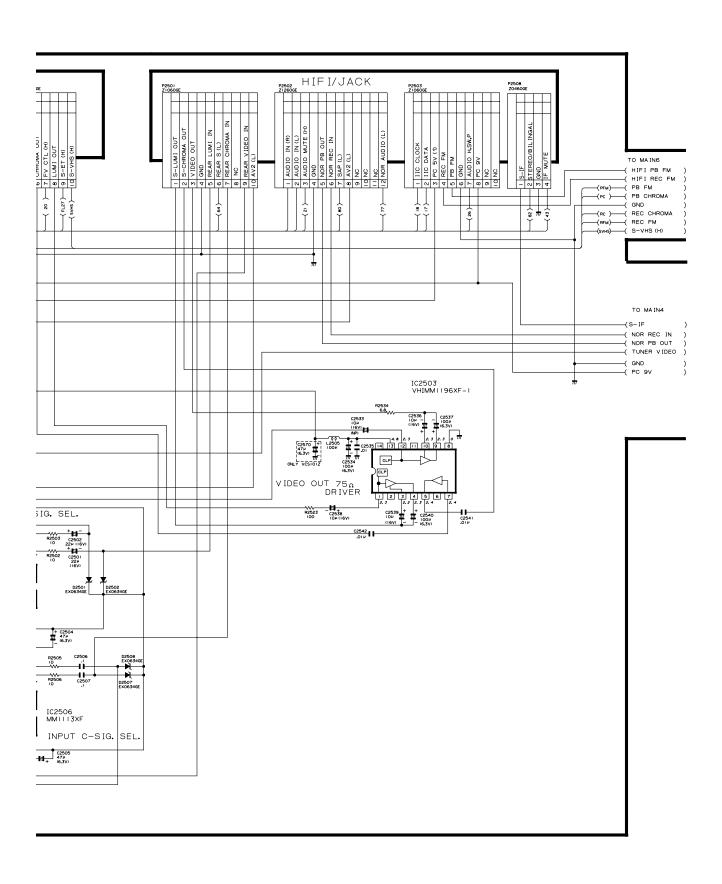
9. SCHEMATIC DIAGRAM AND PWB FOIL PATTERN MAIN CIRCUIT(1)



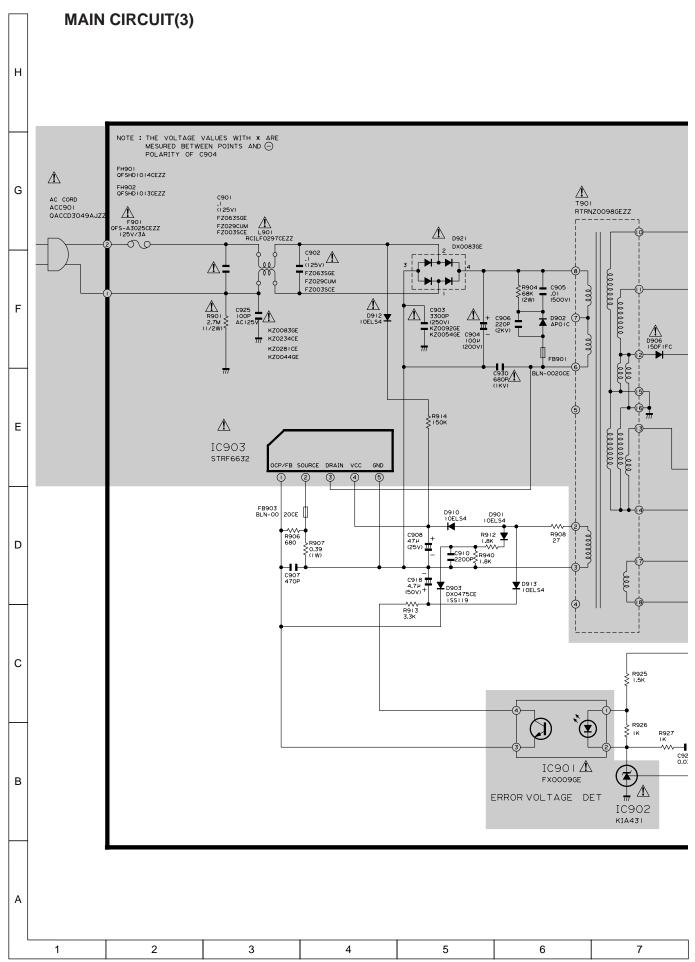


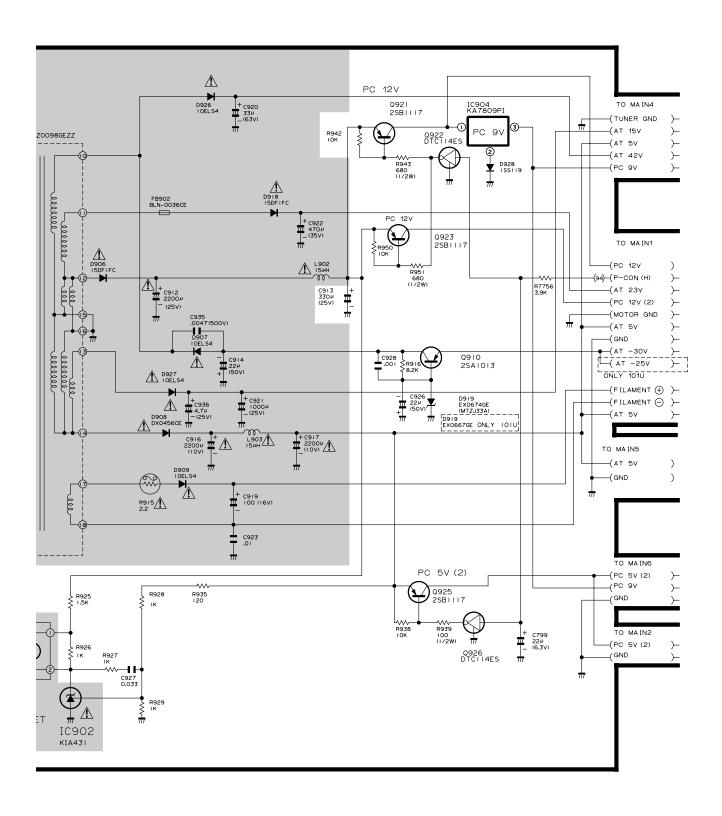
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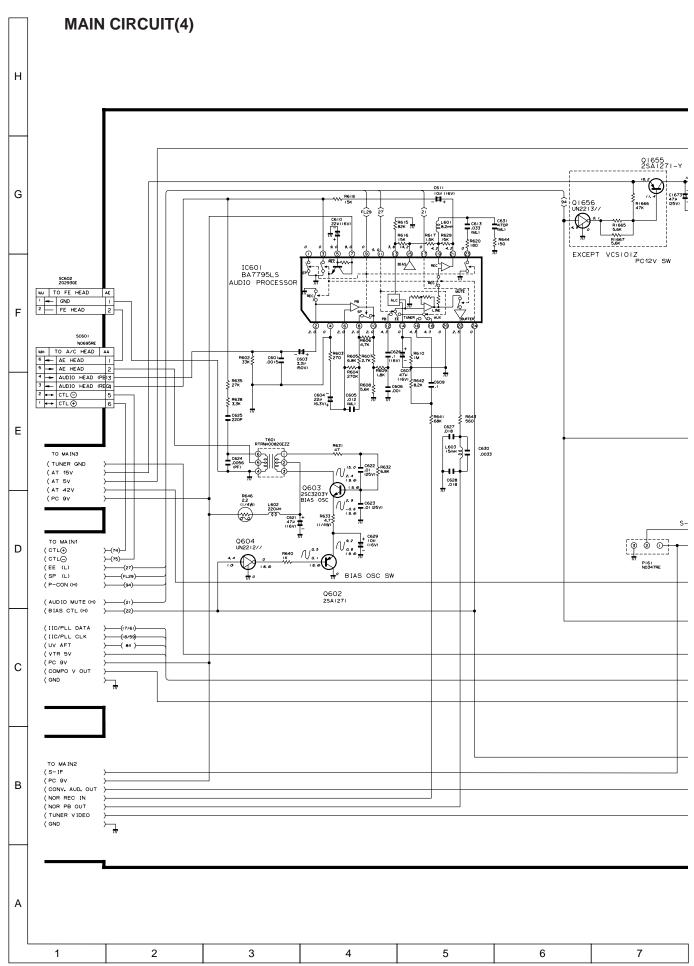


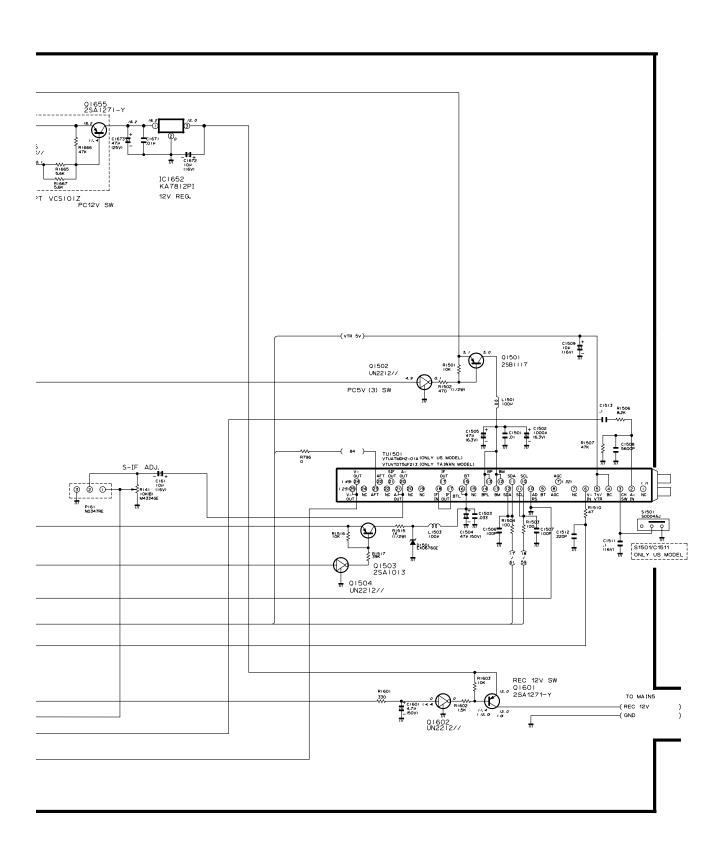
7	8	9	10	11	12	13



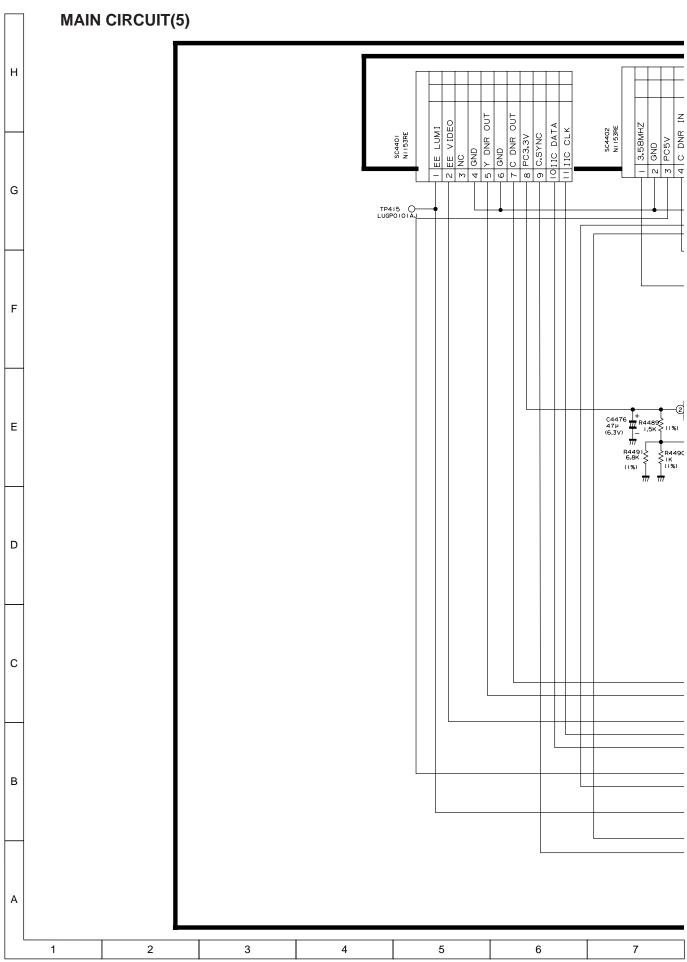


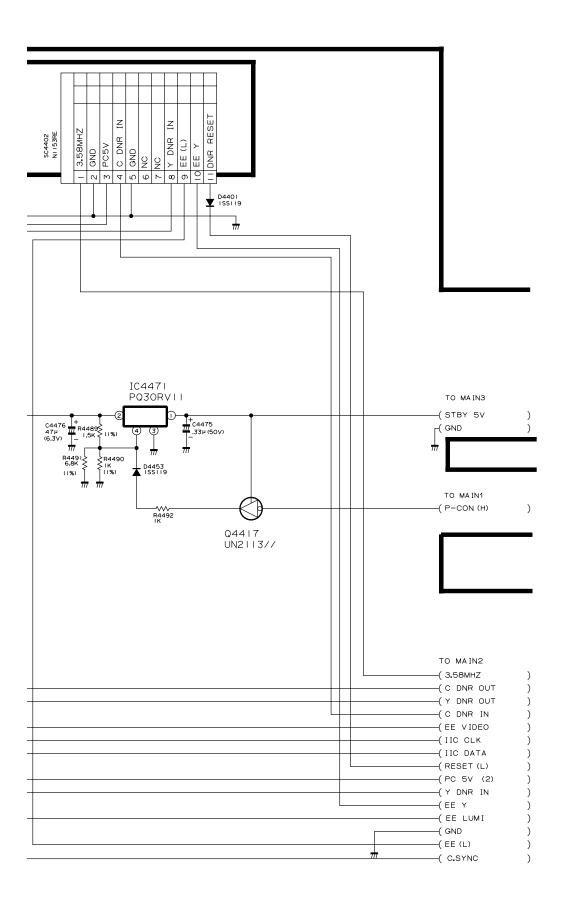
7	8	9	10	11	12	13



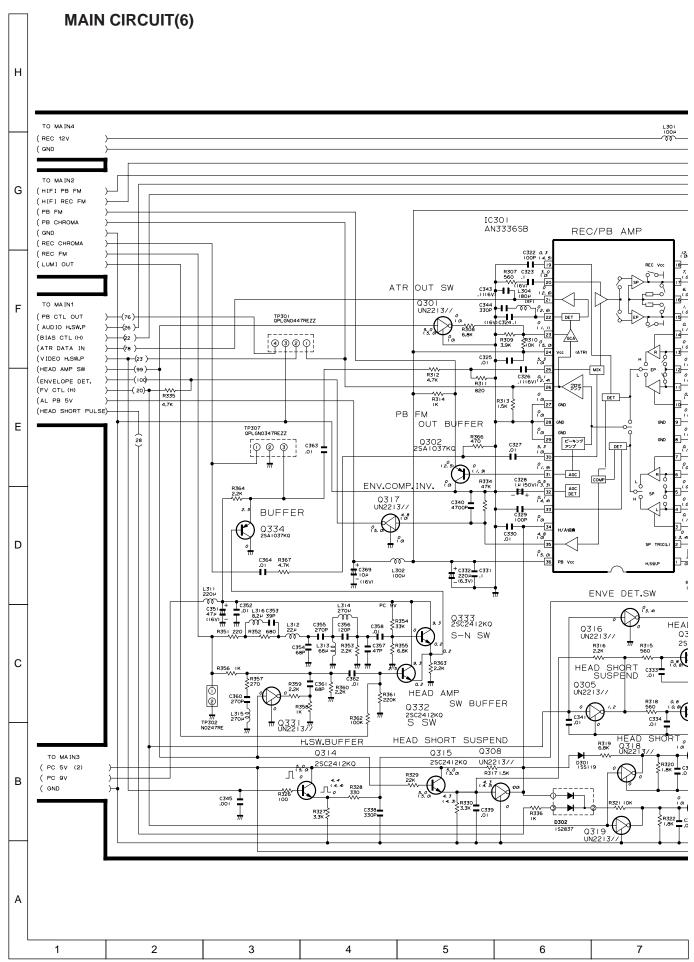


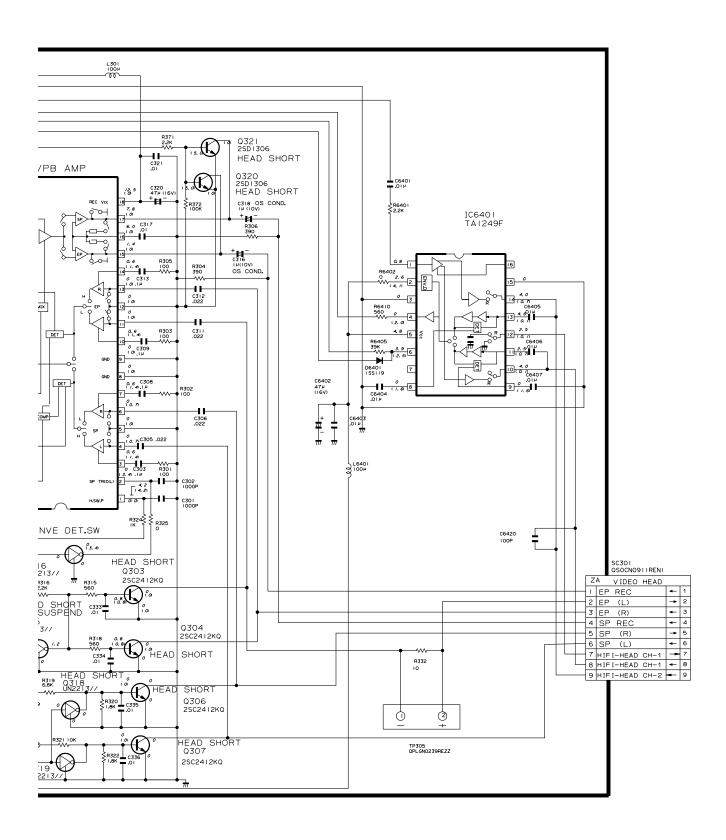
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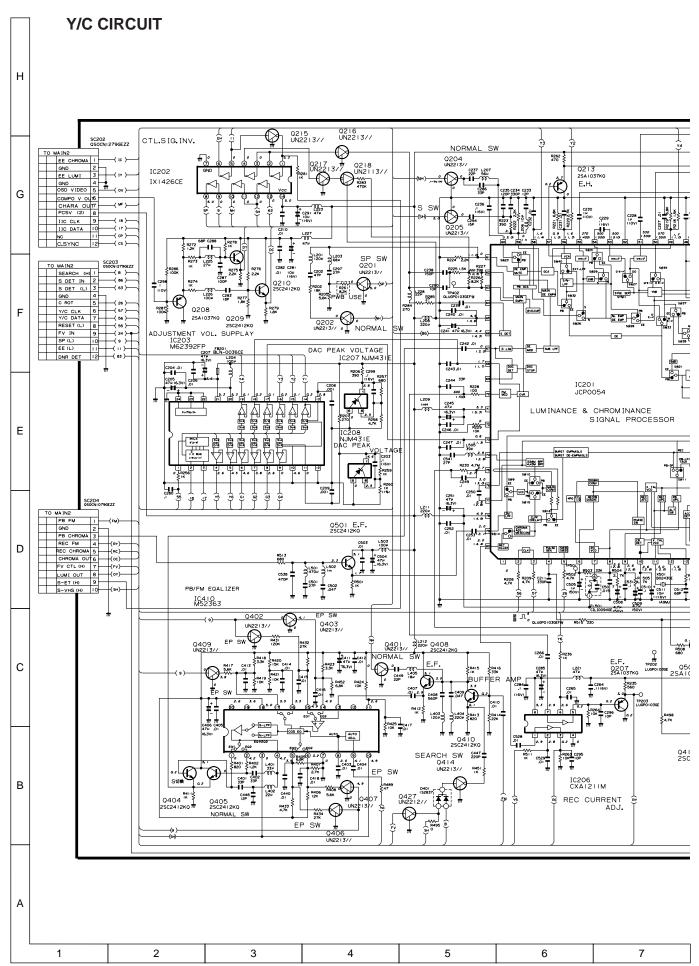


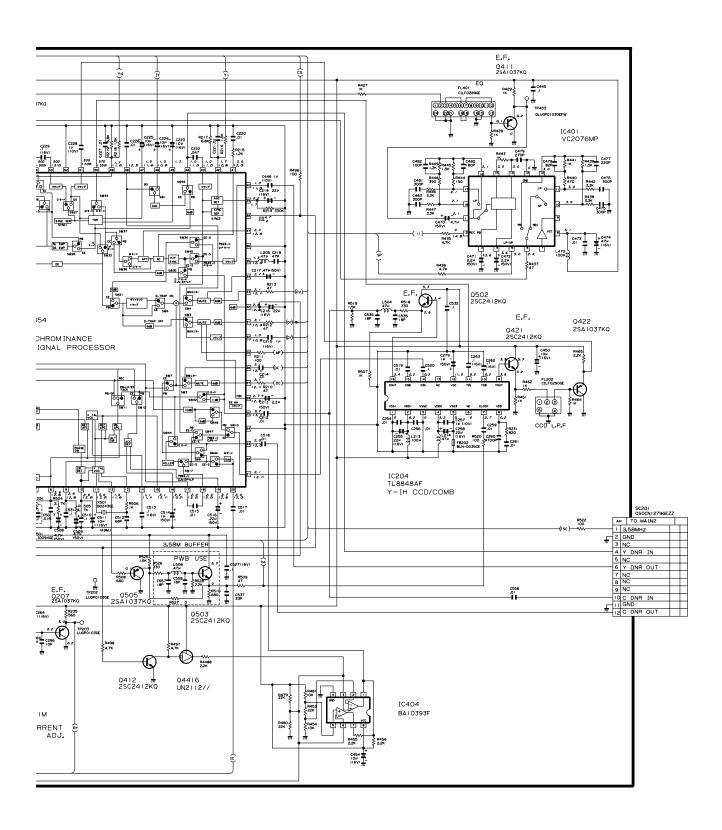
Ξ							
	7	8	9	10	11	12	13



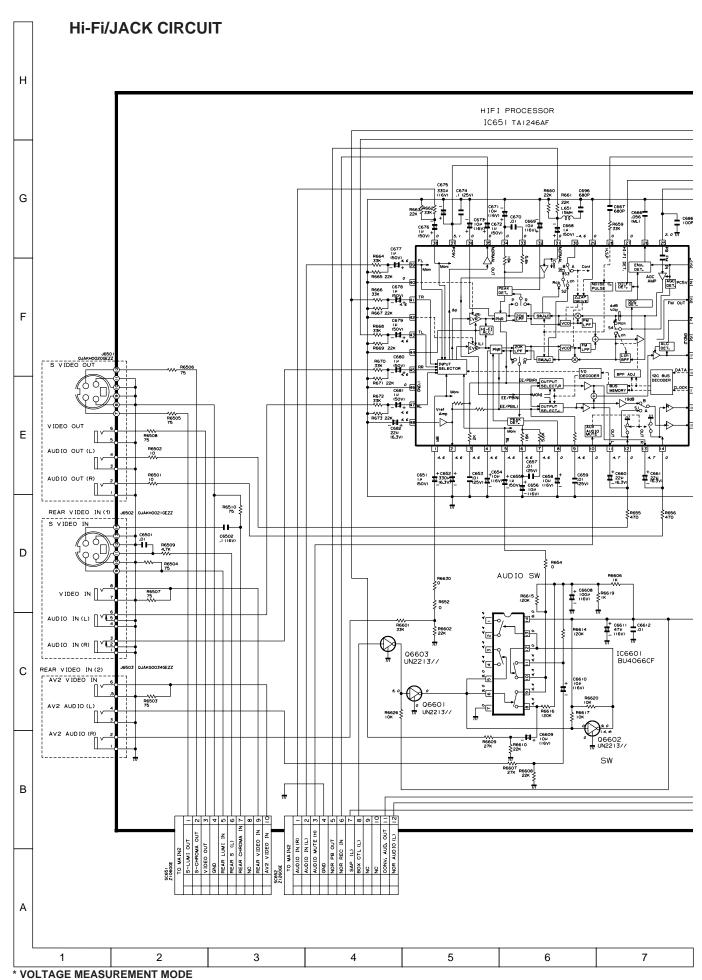


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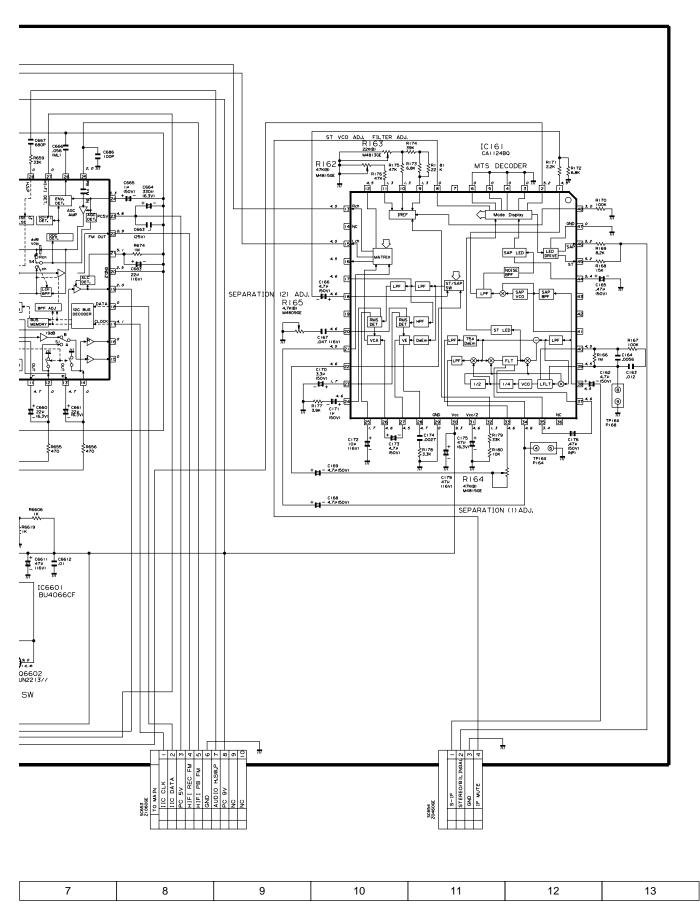


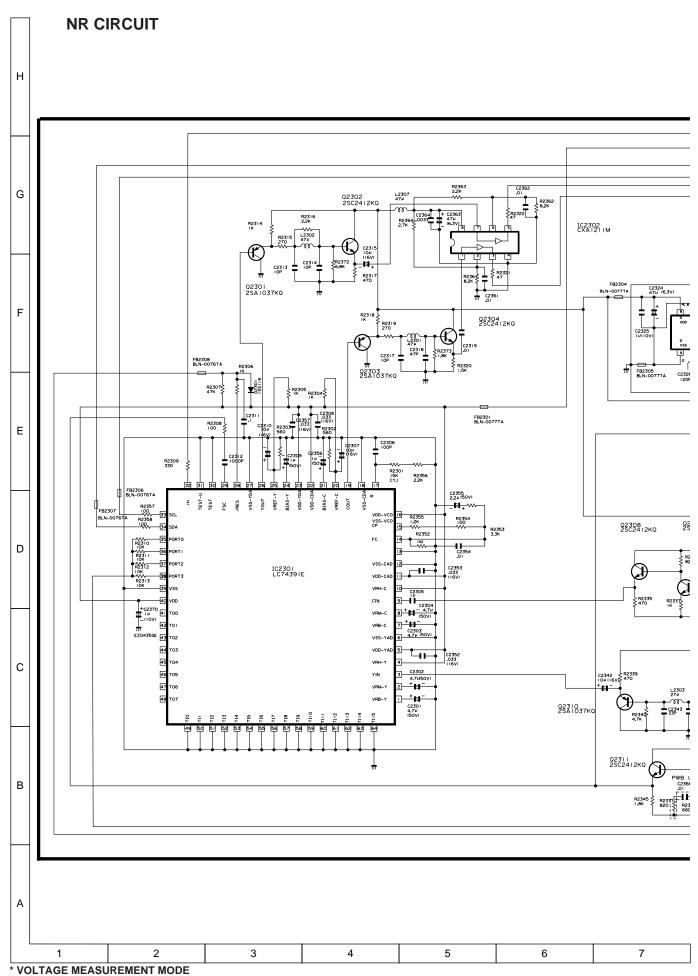


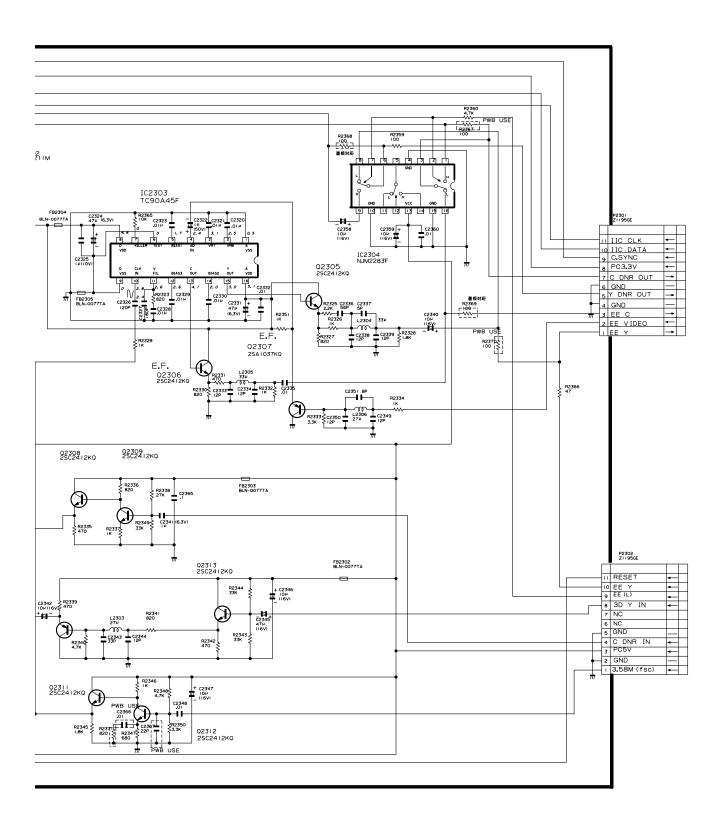
7	8	9	10	11	12	13



PB Parentheses ()
REC ... Without Parentheses

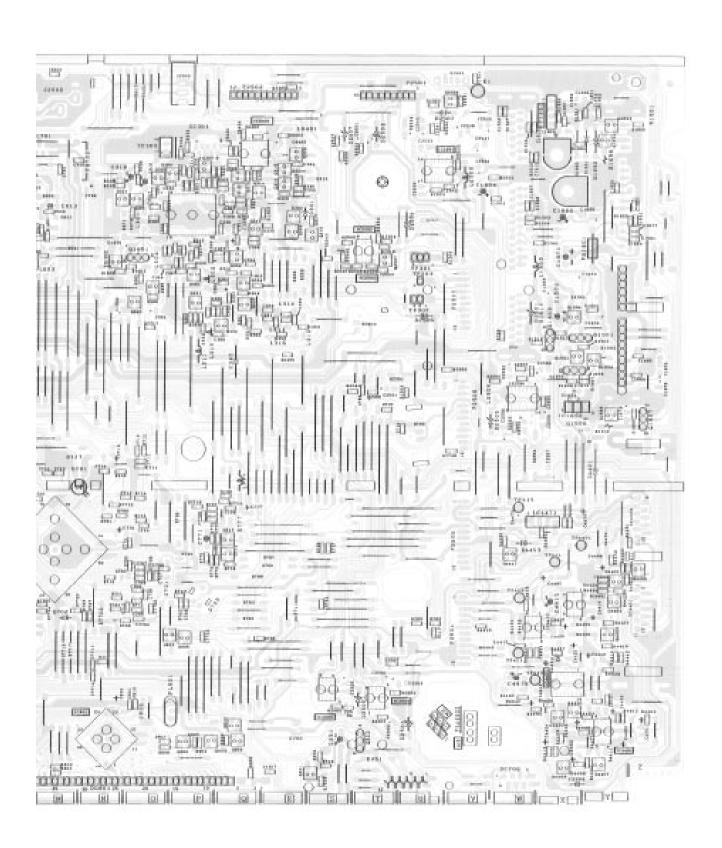






7	8	9	10	11	12	13

PWB FOIL PATTERN MAIN PWB Н čericio imi G F Ε D 0000 С В Α



7	8	9	10	11	12	13

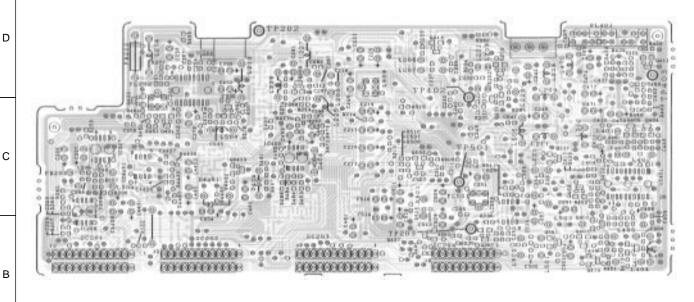
Y/C PWB SIDE A

Н

G

Ε

Y/C PWB SIDE B

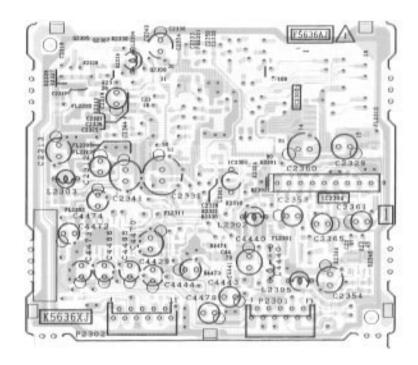


Α

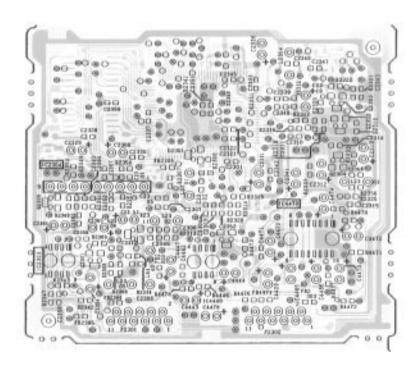
С

В

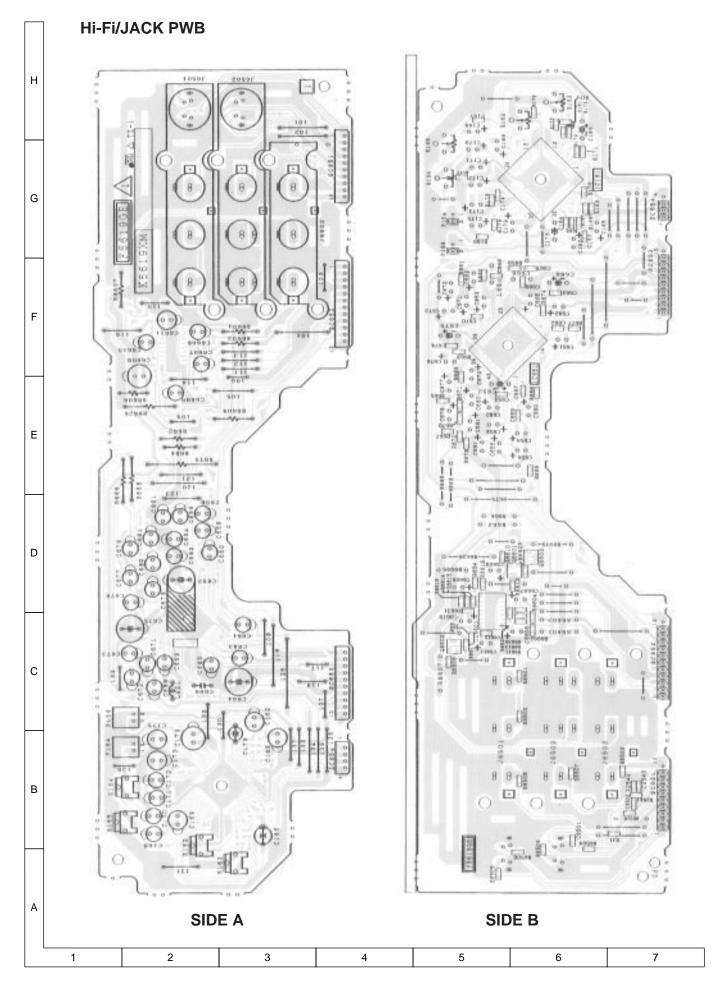
NR PWB SIDE A



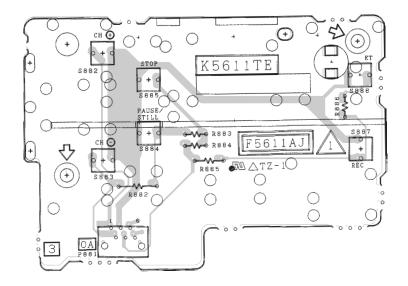
NR PWB SIDE B



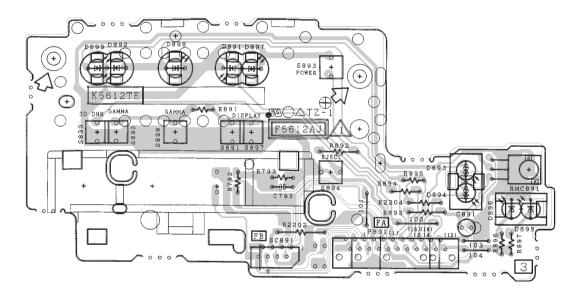
7	8	9	10	11	12	13



OPERATION PWB



FRONT A/V PWB



7	8	9	10	11	12	13

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G

F

Ε

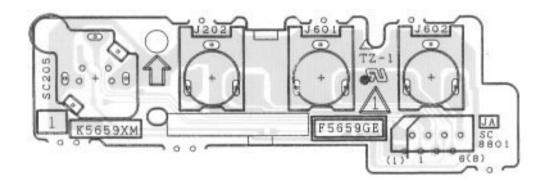
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С

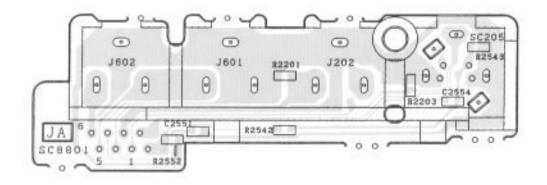
В

Α

JACK PWB SIDE A



JACK PWB SIDE B



1 2 3 4 5 6 7

10.PARTS LIST PARTS REPLACEMENT

Many electrical and mechanial parts in video cassette recorder have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by " \Lambda " and shaded areas in the Replacement Parts Lists and Schematic Diagrams.

The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER

2. REF. NO.

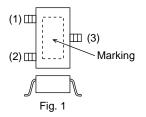
3. PART NO.

4. DESCRIPTION

in USA:

Contact your nearest SHARP Parts Distributor. For location of SHARP Parts Distributor, Please call Toll-Free: 1-800-BE-SHARP

HOW TO IDENTIFY CHIP TRANSISTORS AND DIODES BY ITS MARKING



- (1) Base/Input
- (2) Emitter/Ground
- (3) Collector/Output

Package	Marking	Parts No.
Fig. 1	FQ	VS2SA1037KQ-1
Fig. 1	BQ	VS2SC2412KQ-1
Fig. 1	16	VSDTA144EK/-1
Fig. 1	15	VSDTA124EK/-1
Fig. 1	25	VSDTC124EK/-1

MARK ★: SPARE PARTS-DELIVERY SECTION

Ref. No. Part No. Code Description

PRINTED WIRING BOARD ASSEMBLIES

(NOT REPLACEMENT ITEM)

DUNTK5611TEV1	-	Operation Unit	_
DUNTK5612TEVA	-	Front AV Unit	_
DUNTK5617TEV5	-	Main Unit	_
DUNTK5619TEV3	-	Hi-Fi/Jack Unit	_
DUNTK5659TEV2	-	Jack Unit	_
DUNTK5729TE6A	-	CNR Unit	_
DUNTK5742TE6A	-	Y/C Unit	_

LISTE DES PIECES **CHANGE DES PIECES**

De nombereuses pièces électriques et mécaniques de magnétoscopes présentent des caractéristiques particulières de sécurité.

Ces caractéristiques ne sont pas toujours évidentes à l'inspection visuelle at la protection qu'elles assurent ne peut pas toujours être obtenue par des pièces de rechange étalonnées à un régime de tension, une puissance, etc. superieurs. Les pièces de rechange qui présentent ces caractéristiques spéciales de sécuité, sont identifiées dans ce manuel: les pièces électriques qui présentent ces particularités, sont repérée par la marque " 1 et sont hachurées dans les listes de piéces et dans les diagrammes schématiques.

La substitution d'une pièce de rechange par une autre qui ne présente pas les mêmes caractéristiques de sécurité que la pièce recommandée par l'usine et repérée dans ce manuel de service, peut provoquer une électrocution, un incendie ou tout autre sinstre.

"COMMENT COMMANDER LES PIECES DE RECHANGE"

Pour que votre commande soit rapidement et correctement remplie, veuillez fournir les renseignements suivaints.

1.NUMERO DU MODELE 2.NO. DEREF 3.NO. DE PIECE 4.DESCRIPTION

in CANADA: Contact SHARP Electronics of Canada Limited

Phone (416) 890-2100.

★ MARQUE: SECTION LIVRAISON DES PIECES DE RECHANGE

Ref. No. Part No. Description Code

INFRARED REMOTE CONTROL UNIT

95J251248A

RRMCG1190AJSA V Infrared Remote Control Battry Cover, Infrared

AY

RΙ

Remote Control

DUNTK5617TEV5 Main Unit

TUNER

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

TU1501 VTUATMDH2-01A V Tuner

INTEGRATED CIRCUITS

		INTEGRATI	ED	CIRCUITS	
	IC301	VHiAN3336SB-1	V	AN3336SB	AP
	IC601	VHiBA7795LS-1	V	BA7795LS	AG
	IC701	RH-iX1563GEZZ	J	I.C.	BA
	IC702	VHiPST600K/-1	V	IC-PST600K-2	AE
	IC705	VHiBA6955N/-1	V	BA6955N	AF
	IC710	VHiBR2402E2-1	V	BR24C02F	AG
	IC801	VHiMN12510F-1	V	MN12510F	AM
\triangle	IC902	VHiKIA431//-1	V	KIA431	AE
⚠	IC903	VHiSTRF6632-1	V	STR-F6632	AN
	IC904	VHiKA7809Pi-1	V	KiA7809Pi	AE
	IC1652	VHiKA7812Pi-1	V	KiA7812Pi	AE
	IC2501	VHiMM1140XF-1	V	MM1140XFF	AH
	IC2503	VHiMM1196XF-1	V	MM1196XFBE	AG
	IC2505	VHiMM1113XF1E	V	MM1113XFBE	AE
	IC2506	VHiMM1113XF1E	V	MM1113XFBE	AE
	IC4471	VHiPQ30RV11-1	V	PQ30RV11	AF
	IC6401	VHiTA1249F/-1	V	TA1249F(EL)	AG

Ref. No.	Part No.	*	Description	Code	R	ef. No.	Part No.	*	Description	Code
	DUNTK	561	7TFV5		\triangle	D902	VHDAP01C///-1	V	Diode	AC
						D903	RH-DX0475CEZZ	V	Diode	AB
	Main Unit	(CC)	ontinuea)		\triangle	D906	VHD15DF1FC/1E	V	Diode	AD
					\triangle	D907	VHD10ELS4//-1		Diode	AD
	TRAN	ISIT	ORS		\triangle	D908	RH-DX0456CEZZ	V		AF
Q301	VSUN2213///-1		UN2213	AA	\triangle	D909	VHD10ELS4//-1		Diode	AD
Q302	VS2SA1037KQ-1		2SA1037KQ	AA		D910	VHD10ELS4//-1		Diode	AD
Q303	VS2SC2412KQ-1		2SC2412KQ	AA	<u>^</u>	D912	VHD10ELS4//-1	V		AD
Q304	VS2SC2412KQ-1		2SC2412KQ	AA		D913	VHD10ELS4//-1	V		AD
Q305	VSUN2213///-1		UN2213	AA	\triangle	D918	VHD15DF1FC/1E	٧		AD
Q306	VS2SC2412KQ-1		2SC2412KQ	AA	^	D919	RH-EX0667GEZZ		Zener Diode	AA
Q307	VS2SC2412KQ-1		2SC2412KQ	AA	Ŵ	D921	RH-DX0083GEZZ	J		AC
Q308	VSUN2213///-1		UN2213	AA	Ŵ	D926	VHD10ELS4//-1		Diode	AD
Q314	VS2SC2412KQ-1	V	2SC2412KQ	AA	∠!\	D927	VHD10ELS4//-1	V		AD
Q315	VS2SC2412KQ-1	V	2SC2412KQ	AA		D928	VHD1SS119//-1		Diode	AB
Q316	VSUN2213///-1	V	UN2213	AA		D952	RH-EX0601GEZZ	J		AA
Q317	VSUN2213///-1	V	UN2213	AA		D957	VHD1S40///-1		Diode	AF
Q318	VSUN2213///-1	V	UN2213	AA		D961	VHDRL1N4004-1	V		AD
Q319	VSUN2213///-1	V	UN2213	AA		D962	VHDRL1N4004-1		Diode	AD
Q320	VS2SD1306-E1E	V	2SD1306-E	AD		D963	VHDRL1N4004-1	V		AD
Q321	VS2SD1306-E1E	V	2SD1306-E	AD		D964	VHDRL1N4004-1		Diode	AD
Q331	VSUN2213///-1		UN2213	AA		D965	VHDRL1N4004-1	V		AD
Q332	VS2SC2412KQ-1		2SC2412KQ	AA		D966	VHDRL1N4004-1		Diode	AD
Q333	VS2SC2412KQ-1	V	2SC2412KQ	AA		D967 D1501	VHDRL1N4004-1 RH-EX0676GEZZ	V	Diode Zener Diode	AD AA
Q334	VS2SA1037KQ-1	V	2SA1037KQ	AA			RH-EX0676GEZZ			
Q602	VS2SA1271-Y-1	V	2SA1271-Y	AB		D2501 D2502	RH-EX0634GEZZ		Zener Diode Zener Diode	AA AA
Q603	VS2SC3203Y/-1	V	2SC3203	AB		D2502 D2505	RH-EX0634GEZZ	J		AA
Q604	VSUN2212///-1	V	UN2212	AA		D2505 D2506	RH-EX0634GEZZ		Zener Diode Zener Diode	AA
Q704	VS2SA1271-Y-1		2SA1271-Y	AB		D2507	RH-EX0634GEZZ		Zener Diode	AA
Q705	VSUN2211///-1		UN2211	AA		D2508	RH-EX0634GEZZ		Zener Diode	AA
Q711	VS2SA1037KQ-1		2SA1037KQ	AA		D2300 D4401	VHD1SS119//-1		Diode	AB
Q715	VS2SA1037KQ-1		2SA1037KQ	AA		D4453	VHD1SS119//-1		Diode	AB
Q804	VSUN2111///-1		UN2111	AA		D6401	VHD1SS119//-1	V		AB
Q805	VSUN2213///-1		UN2213	AA	\wedge	IC901	RH-FX0009GEZZ		TCET1107	AD
Q806	VSUN2111///-1		UN2111	AA	2:3	Q701	RH-PX0233GEZZ		PT493FL2	AD
Q807	VSUN2213///-1		UN2213	AA		Q702	RH-PX0233GEZZ	J		AD
Q853	VS2SD468-AC-1		2SD468-AC	AC		Q / 02	TITT NOZOGOLZZ	Ü	1 14001 LZ	710
Q910	VS2SA1013//1E		2SA1013	AD			CRY	ST	ΔIS	
Q921	VS2SB1117KU1E		2SB1117	AE		X701	RCRSB0228GEZZ	_		AF
Q922	VSDTC114ES/-1		DTC114ES	AB		X701 X702	RCRSB0138GEZZ			AD
Q923	VS2SB1117KU1E		2SB1117KU	AE		X102	NONODO 1300LZZ	J	Crystal	AD
Q925	VS2SB1117KU1E		2SB1117KU	AE			FII	LTE	:p	
Q926	VSDTC114ES/-1		DTC114ES	AB		FL801	RFILC0091GEZZ		Filter	AD
Q951	VS2SA1271-Y-1		2SA1271-Y	AB		I LOUI	NI ILCOOS IGEZZ	J	i iitoi	AD
Q952	VSUN2212///-1		UN2212	AA			C	OIL	e	
Q955	VS2SB1117KU1E		2SB1117KU	AE		1.204				۸D
Q956	VSUN2212///-1		UN2212	AA		L301 L302	VP-MK101K0000 VP-MK101K0000		100μH	AB AB
Q957	VS2SB1117KU1E		2SB1117KU	AE		L302 L304	VP-XF181K0000		100μH	AB
Q958	VSUN2212///-1		UN2212	AA		L304 L311	VP-DF221K0000		180μH 220μH	AB
Q965	VS2SA1037KQ-1		2SA1037KQ	AA		L311	VP-XF220K0000		22μH	AB
Q966	VS2SA1037KQ-1		2SA1037KQ	AA AE		L312	VP-XF680K0000	V		AB
Q1501	VS2SB1117KU1E		2SB1117KU			L314	VP-MK271K0000		270μΗ	AB
Q1502 Q1503	VSUN2212///-1 VS2SA1013//1E		UN2212 2SA1013	AA AD		L315	VP-MK271K0000		270μΗ	AB
			UN2212			L316	VP-XF8R2K0000		8.2μΗ	AB
Q1504 Q1601	VSUN2212///-1 VS2SA1271-Y-1		2SA1271-Y	AA AB		L601	VPADK822J0000		8200μΗ	AC
Q1601 Q1602			UN2212	AA AA		L602	VP-DF221K0000		220μΗ	AB
	VSUN2212///-1			AA		L603	VPADK153J0000		15mH	AC
Q1655	VS2SA1271-Y-1		2SA1271-Y			L777	VP-DF101K0000		100μH	AB
Q1656	VSUN2213///-1		UN2213	AA		L851	VP-DF221K0000	V	•	AB
Q4417	VSUN2113///-1	V	UN2113	AA	\triangle	L901	RCILF0297CEZZ	V	•	AG
	DI)DE	e		<u> </u>	L902	RCILP0173CEZZ	V		AE
D0004		ODE		437	<u> </u>	L902	RCILP0173CEZZ		Coil	AE
DG801	VVK20U2610B-1		Display	AY	<u> </u>	L903	VP-CF101K0000		100μH	AB
D301	VHD1SS119//-1		Diode	AB		L1501	VP-DF101K0000		100μΗ	AB
D302	VHD1S2837//1E		Diode	AC		L2505	VP-DF101K0000		100μΗ	AB
D701	RH-PX0270GEZZ		Photodiode	AC		L2505	VP-DF101K0000		100μΠ	AB
D702	RH-DX0475CEZZ		Diode	AB		L6401	VP-DF101K0000		100μΠ	AB
D706	RH-PX0252GEZZ		GP1S563	AF		_0-01	VI 27 10 110000	v	. σομι ι	70
D707	RH-PX0252GEZZ		GP1S563	AF			TRANS	F∩¤	RMFRS	
D708	RH-PX0253GEZZ		GP1S94	AF		T601			OSC. Transformer	AF
D709	RH-PX0253GEZZ		GP1S94	AF	\wedge	T901	RTRNZ0098GEZZ			AF AT
D710	RH-DX0475CEZZ VHD1SS119//-1		Diode	AB	<u> </u>	1 30 1	NINNAUUSOGEZZ	J	i ialisiUllilei	AI
	v □ レコるる 1 19//-Т	V	Diode	AB						
D721 D901	VHD10ELS4//-1		Diode	AD						

DUNTK5617TEV5 Main Unit (Continued)	Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*	Desc	ription	Code
CONTROL CONT		DUNT	K561	7TEV5			VCKYCY1HB221F	< V	220p 50V	Ceramic	AA
CONTROL CREATION CAPACITORS										Ceramic	
CONTROL C929 VCEAMINCV106BM V 10 18V Electrolytic AB		wain un	it (Co	ntinuea)							
R141 RVR-M4334EZZ J T0K(B), S-IF Adj. AB CS30 VCKYCY1HB332K V 3300p 50V Ceramic AD CS31 VCKYCY1HB32K V 100p 50V Ceramic AD CS31 VCKYCY1HB102K V 0.01 F0V Ceramic AD CS30 VCKYCY1HB102K V 0.01 F0V Ceramic AD CS31 VCKYCY1HB102K V 0.01 F0V Cerami											
Capa		_	-)L						•	
C161 VCEA9A/CDV16B102K V 1010 50V Ceramic AD C703 VCECYCY1HB102K V 1000 50V Ceramic AD C705 VCECYCY1HB102K V 1000	R141	RVR-M4334GEZ	ZZ J '	10k(B), S-IF Adj.	AB						
Caramic According to the control of the control o		0.4.1	D 4 O I T 6							•	
C301	0404				Luite AD	C703	VCEA9M1HW105	ΜV	1 50V	Electrolytic	: AB
C303 VCKYCY1HB10ZK V 1000 50V Ceramic AB C706 VCKYCY1HB10ZK V 0.01 50V Ceramic AA C706 VCKCYCY1B22SK V 0.022 25V Ceramic AA C706 VCCCCY1HH10JU V 12p 50V Ceramic AA C717 VCCCCY1HH10JU V 12p 50V Ceramic AA C717 VCCCCY1HH10JU V 12p 50V Ceramic AA C717 VCCCCY1H10JU V VCCCCY1H10JU V VCCCCY1H10JU V VCCCY1H10JU V VCCCCY1H10JU V VCCCCY1H10JU V VCCCCY1H10JU VCCCCY1H10JU V V VCCCCY1H10JU V VCCCCY1H10JU V V VCCCCY1H10JU V V VCCCCY1H10JU V V V V V V V V VCCCCY1H10JU V VCCCCY1H10JU V VCCCCY1H10JU V V VCCCCY1H10JU V V VCCCCY1H10JU V VCC											
C303				•							
C306				•							
C308	C305	VCKYCY1EB223	3K V (0.022 25V Cerami	c AA						
C398											
C311											
C312							VCKYCY1HB102F	< V			
C313											
C316 RC-EZ043GGEZZ											
C317											
C329		VCKYCY1HF10								,	
C321 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C722 VCKYCYHF103Z V. 0.01 50V Ceramic AA C723 VCKYCY1G8104K V. 0.1 16V Ceramic AB C724 VCKYCY1G8104K V. 0.1 16V Ceramic AB C725 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C724 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C725 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C725 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C726 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C727 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C728 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C729 VCKYCY1HF103Z V. 0.01 50V Ceramic AA C730 VCKYCY1HF103					,						
C322							VCKYCY1HF1032	z V	0.01 50V	Ceramic	AA
C323											
C324											
C326											
C326		VCKYCY1HF10	3Z V (
C328 VCECA9A1HW105M V 1 50V Electrolytic AB C329 VCECCY1HH103L V 1009 50V Ceramic AA C736 VCKYCY1HF103Z V 0.01 50V Ceramic AA C736 VCKYCY1HF103Z V 0.01 50V Ceramic AA C737 VCKYCY1HF103Z V 0.01 50V Ceramic AA C738 VCKYCY1HF103Z V 0.01 50V Ceramic AA C739 VCCCCY1HH30JU V 309 50V Ceramic AA C739 VCCCCY1HH30JU V 309 50V Ceramic AA C739 VCCCCY1HH30JU V 309 50V Ceramic AA C736 VC											
C329 VCKCYCY1HF103Z V 0.01 50V Ceramic AA C736 VCKYCY1HF103Z V 0.01 50V Ceramic AA C331 VCKYCY1EF104Z V 0.1 25V Ceramic AA C737 VCKYCY1HF103Z V 0.01 50V Ceramic AA C333 VCKYCY1HF103Z V 0.01 50V Ceramic AA C737 VCKYCY1HF103Z V 0.01 50V Ceramic AA C738 VCKYCY1HF103Z V 0.01 50V Ceramic AA C739 VCKYCY1HF103Z V 0.01 50V Ceramic AA C745 RC-E20425GEZZ J 0.47F 50V Electrolytic AB C750 VCKYCY1HF103Z V 0.01 50V Ceramic AA C745 VCKYCY1HF103Z V 0.01 50V Ceramic AA C750 VCKYCY1HF103Z V 0.01 50V C											
C330 VCKYCY1HF103Z V 0.01 50V Ceramic AA C737 VCKYCY1HF103Z V 0.01 50V Ceramic AA C738 VCKYCY1HF103Z V 0.01 50V Ceramic AA C738 VCKYCY1HF103Z V 0.01 50V Ceramic AA C739 VCKYCY1HB102K V 1000p 50V Ceramic AA C730 VCKYCY1HB102K V 1000p 50V Ceramic AA C730 VCKYCY1HB103Z V 0.01 50V Ceramic AA C740 VCKYCY1CF104Z V 0.1 16V Ceramic AA C743 VCKYCY1HB103Z V 0.01 50V Ceramic AA C743 VCKYCY1HB103Z V 0.01 50V Ceramic AA C743 VCKYCY1HB103Z V 0.01 50V Ceramic AA C744 VCKYCY1HB103Z V 0.01 50V Ceramic AA C745 VCKYCY1HB103Z V 0.01 50V Ceramic AA C746 VCKYCY1HB103Z V 0.01 50V Ceramic AA C746 VCKYCY1HB103Z V 0.01 50V Ceramic AA C747 VCKYCY1B104Z V 0.01 16V Ceramic AA C748 VCKYCY1HB103Z V 0.01 50V Ceramic AA C750 VCCCCY1HB100J V 100p 50V Ceramic AA C750 VCCCCY1HB100J V 100p 50V Ceramic AA C750 VCCCCY1HB10J V 0.01 50V Ceramic AA C750 VCCC					,						
C331 VCKYCY1HE103Z V 0.01 50V Ceramic AA C743 VCKYCY1HE103Z V 0.01 50V Ceramic AA C744 VCEA2AUM477M V 470 6.3V Electrolytic AB C336 VCKYCY1HE103Z V 0.01 50V Ceramic AA C744 VCEA2AUM477M V 470 6.3V Electrolytic AB C336 VCCCCY1HH331J V 330p 50V Ceramic AA C745 RC-E2042S6E2Z J 0.47F 50V Electrolytic AE C338 VCKYCY1HE103Z V 0.01 50V Ceramic AA C745 RC-E2042S6E2Z J 0.47F 50V Electrolytic AE C340 VCKYCY1HE103Z V 0.01 50V Ceramic AA C750 VCKYCY1HE103Z V 0.01 50V Ceramic AB C751 VCKYCY1HE103Z V 0.01 50V Ceramic AB C752 VCKYCY1HE103Z V 0.01 50V Ceramic AB C753 VCKYCY1HE103Z V 0.01 50V Ceramic AA C753 VCKYCY1HE103Z V 0.01 50V Ceramic AA C754 VCKYCY1HE103Z V 0.01 50V Ceramic AA C755 VCKYCY1HE103Z V 0.01 50V Ceramic AA C756 VCKYCY1HE103											
C332 VCKPCYHF103Z V 0.01 50V Ceramic AA C740 VCKYCYHC104Z V 0.11 16V Ceramic AA C740 VCKYCYHF103Z V 0.01 50V Ceramic AA C740 VCKYCYHC104Z V 0.11 16V Ceramic AA C740 VCKYCYHF103Z V 0.01 50V Ceramic AA C740 VCKYCYHC104Z V 0.12 16V Ceramic AA C740 VCKYCYHF103Z V 0.01 50V Ceramic AA C750 VCCCYHH190Z V 0.01 50V Ceramic AA C750 VCCCCYHH190Z V 0.01 50V Ceramic AA C750 VCCCCYHH		VCKYCY1EF104	4Z V (
C333 VCKYCY1HF103Z V 0.01 50V Ceramic AA C740 VCKYCY1CF242Z V 0.21 16V Ceramic AA C743 VCKYCY1HF103Z V 0.01 50V Ceramic AA C743 VCKYCY1CF24Z V 0.22 16V Ceramic AA C743 VCKYCY1HF103Z V 0.01 50V Ceramic AA C744 VCEA2A0JW477M V 470 6.3V Electrolytic AB C745 VCKYCY1HF103Z V 0.01 50V Ceramic AA C746 VCKYCY1HF103Z V 0.01 50V Ceramic AA C747 VCKYCY1HF103Z V 0.01 50V Ceramic AA C747 VCKYCY1HF103Z V 0.01 50V Ceramic AA C750 VCKYCY1HH103Z V 0.01 50V Ceramic AA C750 VCKYCY1HH103Z V 0.01 50V Ceramic AA C751 VCEA2A1EW337M V 330 25V Electrolytic AD C751 VCEA2A1EW337M V 330 25V Electrolytic AD C751 VCEA2A1EW337M V 330 25V Electrolytic AD C751 VCKYCY1HH103Z V 0.01 50V Ceramic AA C753 VCCCCY1HH180J V 68p 50V Ceramic AA C753 VCCCCY1HH180J V 68p 50V Ceramic AA C753 VCCCCY1HH180J V 68p 50V Ceramic AA C756 VCKYCY1HF103Z V 0.01 50V Ceramic AA C776 VCKYCY1HF103Z V 0.01 50V Ceramic AA C777 VCEA9M1CW476M V 47 6.3V Electrolytic AB VCKYCY1HF103Z V 0.01 50V Ceramic AA C778 VCEA9M0JW476M V 47 6.3V Electrolytic AB VCKYCY1HF103Z V 0.01 50V Ceramic AA C778 VCEA9M0JW476M V 47 6.3V Electrolytic AB VCKYCY1HF103Z V 0.01 50V Ceramic AA C778 VCEA9M0JW476M V 47 6.3V Electrolytic AB C779 VC											
C335 VCKCYCY1HF103Z V 0.01 50V Ceramic AA C744 VCEA2A0JW477M V 470 6.3V Electrolytic AB C336 VCKCYCY1HF103Z V 0.01 50V Ceramic AA C745 RC-E2042S6EZZ J 0.47F 50V Electrolytic AB C339 VCKYCY1HF30JZ V 0.01 50V Ceramic AA C747 VCKYCY1HF103Z V 0.01 50V Ceramic AA C747 VCKYCY1HF103Z V 0.01 50V Ceramic AA C749 VCKYCY1HF103Z V 0.01 50V Ceramic AA C752 VCEA2A1EW337M V 330 25V Electrolytic AB C341 VCKYCY1HB103Z V 0.01 50V Ceramic AA C752 VCEA2A1EW337M V 330 25V Electrolytic AD C341 VCKYCY1HB103Z V 0.01 50V Ceramic AA C752 VCEA2A1EW337M V 330 25V Electrolytic AD C341 VCKYCY1HB103Z V 0.01 50V Ceramic AB C755 VCKYCY1HF103Z V 0.01 50V Ceramic AA C756 VCKYCY1HF103Z V 0.01 50V Ceramic AA C776 VCCCCY1HH103H V 1 50V Elect.(N.P.) AC C352 VCKYCY1HF103Z V 0.01 50V Ceramic AA C776 VCCCCY1HH30JU V 270p 50V Ceramic AA C776 VCKYCY0JF105Z V 1 6.3V Electrolytic AB C355 VCCCCY1HH271J V 270p 50V Ceramic AA C776 VCKYCY0JF105Z V 1 6.3V Electrolytic AB C356 VCCCCY1HH271J V 270p 50V Ceramic AA C776 VCCCCY1HH30JU V 37p 50V Ceramic AA C776 VCKYCY0JF105Z V 1 6.3V Electrolytic AB C356 VCCCCY1HH271J V 270p 50V Ceramic AA C776 VCCCCY1HH30JU V 37p 50V Ceramic AA C776 VCKYCY0JF105Z V 1 6.3V Electrolytic AB C358 VCKYCY1HF103Z V 0.01 50V Ceramic AA C779 VCEA8M1CW476M V 47 6.3V Electrolytic AB C356 VCCCCY1HH271J V 270p 50V Ceramic AA C796 RC-E204606EZZ J 47 6.3V Electrolytic AB C356 VCCCCY1HH271J V 270p 50V Ceramic AA C796 RC-E204606EZZ J 47 6.3V Electrolytic AB C356 VCCCCY1HH271J V 270p 50V Ceramic AA C796 RC-E204606EZZ J 47 6.3V Electrolytic AB C356 VCKYCY1HF103Z V 0.01 50V Ceramic AA C796 RC-E204606EZZ J 47							VCKYCY1CF104Z	z V		Ceramic	
C336 VCKYCY1HF103Z V 0.01 50V Ceramic AA C745 RC-E2042SGEZZ J 0.47F 50V Electrolytic AE C339 VCKYCY1HF103Z V 0.01 50V Ceramic AA C750 VCKYCY1HF103Z V 0.01 50V Ceramic AA C753 VCCCY1HH303I V 3300 50V Ceramic AA C753 VCKYCY1HS103Z V 0.01 50V Ceramic AA C753 VCKYCY1HS103Z V 0.01 50V Ceramic AA C753 VCKYCY1HF103Z V 0.01 50V Ceramic AA C753 VCKYCY1HF103Z V 0.01 50V Ceramic AA C754 VCKYCY1HF103Z V 0.01 50V Ceramic AA C755 VCKYCY1HH103Z V 0.01 50V Ceramic AA C756 VCCCCY1HH1271 V 270p 50V Ceramic AA C775 VCEA9M0JW476M V 47 6.3V Electrolytic AB C356 VCCCCY1HH1271 V 270p 50V Ceramic AA C756 VCCCCY1HH133D V 33p 50V Ceramic AA C756 VCCCCY1HH102T V 270p 50V Ceramic AA C756 VCCCCY1HH103Z V 0.01 50V Ceramic AA C756 VCCCCY1HH102T V 270p 50V Ceramic AA C756 VCCCCY1HH103Z V 0.01 50V Ceramic AA C756 VCCCCY1H103Z V 0.01 50V Ceramic											
C338 VCCCCY1HH331J V330p 50V Ceramic AA C747 VCKYCY1HF103Z V 0.01 50V Ceramic AA C750 VCKYCY1HF103Z V 0.01 50V Ceramic AA C750 VCKYCY1HF103Z V 0.01 50V Ceramic AA C752 VCEA2A1EW337M V330 25V Electrolytic AD C341 VCKYCY1HCB104K V 10 10 Ceramic AA C752 VCEA2A1EW337M V30 25V Electrolytic AD C344 VCCCCY1HH331J V 330p 50V Ceramic AA C755 VCKYCY1HF103Z V 0.01 50V Ceramic AA C776 VCKYCY1HF103Z V 0.01 50V <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>											
C339	C338	VCCCCY1HH33	31J V 3							•	
C341 VCKYCY1HF103Z V 0.01 50V Ceramic AB C753 VCCCCY1HH1680J V 68p 50V Ceramic AA C344 VCCCCY1HH331J V 330p 50V Ceramic AA C755 VCKYCY1HF103Z V 0.01 50V Ceramic AA C770 VCCCCY1HH101J V 100p 50V Ceramic AA C780 VCKYCY1HF103Z V 0.01 50V Ceramic AA C800 VCCCCY1HH101J V 100p 50V Ceramic											
C343										Electrolytic	: AD
C344											
C345 VCKYD41HB102K V 1000p 50V Ceramic AA C770 VCCCCY1HH101J V 100p 50V Ceramic AA C351 VCEA9M1CW476M V 47 16V Electrolytic AB C771 VCESEA1HW105M V 1 50V Electrolytic AB C353 VCCCCY1HH390J V 39p 50V Ceramic AA C774 VCESEA1HW105M V 47 6.3V Electrolytic AB C353 VCCCCY1HH390J V 39p 50V Ceramic AA C775 VCEA9M1CW476M V 47 6.3V Electrolytic AB C354 VCCCCY1HH271J V 270p 50V Ceramic AA C776 VCKYCY0JF105Z V 1 6.3V Ceramic AB C356 VCCCCY1HH470J V 47p 50V Ceramic AA C775 VCEA9M0JW476M V 47 16V Electrolytic AB C357 VCCCCY1HH460J V 47p 50V Ceramic AA C795 VCEA9M0JW476M V 47 6.3V Electrolytic AB C360 VCCCCY1HH680J V 68p 50V Ceramic AA C796 RC-EZ0460GEZZ J </td <td></td>											
C351 VCEXPMILOW476M V 47 16V Electrolytic AB C352 VCEYCY1HF103Z V 0.01 50V Ceramic AA C775 VCEA9M0JW476M V 47 6.3V Electrolytic AB C356 VCCCCY1HH121J V 120p 50V Ceramic AA C776 VCECA9M0JW476M V 47 16V Electrolytic AB C356 VCCCCY1HH121J V 120p 50V Ceramic AA C776 VCEA9M0JW476M V 47 16V Electrolytic AB C356 VCCCCY1HH121J V 120p 50V Ceramic AA C776 VCEA9M0JW476M V 47 16V Electrolytic AB C357 VCCCCY1HH121J V 270p 50V Ceramic AA C7782 VCCCCY1HH330J V 33p 50V Ceramic AA C357 VCCCCY1HH127J V 270p 50V Ceramic AA C798 VCKYCY0JF105Z V 1 6.3V Electrolytic AB C360 VCCCCY1HH271J V 270p 50V Ceramic AA C796 RC-E20460GEZZ J 47 6.3V Electrolytic AB C361 VCCCCY1HH1680J V 68p 50V Ceramic AA C796 RC-E20460GEZZ J 47 6.3V Electrolytic AB C363 VCKYCY1HF103Z V 0.01 50V Ceramic AA C798 VCKYD41CY103N V 0.01 16V Ceramic AA C363 VCKYCY1HF103Z V 0.01 50V Ceramic AA C364 VCKYCY1HF103Z V 0.01 50V Ceramic AA C360 VCKYCY1HF103Z V 0.01 50V Ceramic AA C360 VCKYCY1HF103Z V 0.01 50V Ceramic AA C361 VCKYCY1HF103Z V 0.01 50V Ceramic AA C361 VCKYCY1HF103Z V 0.01 50V Ceramic AA C360 VCEA9M0JW226M V 22 6.3V Electrolytic AB C360 VCEA9M0JW227M V 220 6.3V Electrolytic AB C360 VCEA9M0JW226M V 22 6.3V Electrol		1/0/0/5 ////5		1000p 50V Cerami	c AA						
C352					•						
C354 VCCCCY1HH680J V 68p 50V Ceramic AA C776 VCKYCY0F105Z V 1 6.3V Ceramic AB C355 VCCCCY1HH127J V 120p 50V Ceramic AA C777 VCEA9M1CW476M V 47 16V Electrolytic AB C356 VCCCCY1HH127J V 120p 50V Ceramic AA C782 VCCCCY1HH30J V 33p 50V Ceramic AA C782 VCCCCY1HH30J V 33p 50V Ceramic AA C785 VCEA9M0JW476M V 47 6.3V Electrolytic AB C358 VCKYCY1HF103Z V 0.01 50V Ceramic AA C796 RC-E20460GEZZ J 47 6.3V Electrolytic AB C796 VCEA9M0JW476M V 47 6.3V Electrolytic AB C796 RC-E20460GEZZ J 0.01 50V Ceramic AA C801 VCKYCY1HF103Z V 0.01 50V Ceramic AA C801 VCKYCY1HF103Z V 0.01 50V Ceramic AA C801 VCKYCY1HF103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C809 VCCCCY1HH101J V 100p 50V Ceramic AA C809 VCCCCY1HH101J V 100p 50V Ceramic AA C809 VCCCCY1HH101J V 100p 50V Ceramic AA C809 VCCCCY1HH151J V 150p 50V Ceramic AA C809 VCCCCY1HH151J V 150p 50V Ceramic AA C809 VCCCCY1HH151J V 150p 50V Ceramic AA C809 VCCCY1HH151J V 150p 50V Ceramic AA C809 VCCCCY1HH151J V 150p 50V Ceramic AA C809 V						C774	VCKYCY1EF104Z	Z V	0.1 25V	Ceramic	AA
C355 VCCCCY1HH271J V 270p 50V Ceramic AA C777 VCEA9M1CW476M V 47 16V Electrolytic AB C357 VCCCCY1HH127J V 120p 50V Ceramic AA C782 VCCCCY1HH30JU V 33p 50V Ceramic AA C785 VCEA9M0JW476M V 47 6.3V Electrolytic AB C358 VCKYCY1HF103Z V 0.01 50V Ceramic AA C796 RC-E20460GEZZ J 47 6.3V Electrolytic AB C361 VCCCCY1HH680J V 68p 50V Ceramic AA C798 VCKYD41CY103N V 0.01 16V Ceramic AA C798 VCKYD41CY103N V 0.01 16V Ceramic AA C798 VCKYCY1HF103Z V 0.01 50V Ceramic AA C799 VCEAEM0JW226M V 22 6.3V Electrolytic AB C362 VCKYCY1HF103Z V 0.01 50V Ceramic AA C801 VCKYCY1HF103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW226M V 22 6.3V Electrolytic AB C364 VCKYCY1HF103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C364 VCKYCY1HB103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C803 VCEA9M1HW335M V 3.3 50V Electrolytic AB C806 VCCCCY1HH101J V 100p 50V Ceramic AA C801 VCKYCY1HB103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C803 VCEA9M1HW335M V 3.3 50V Electrolytic AB C806 VCFYSA1HB102X V 1000p 50V Ceramic AA C809 VCCCCY1HH101J V 100p 50V Ceramic AA C809 VCEA9M1CW20M V 47 16V Electrolytic AB C809 VCCCCY1H101J V 100p 50V Ceramic AA C809 VCCCCY1H101J V 100p 50V Ceramic AA C809 VCCCCY1H101J V 100p 50V Ceramic AA C809 VCCCCY1H101J V 100p 50V Ceramic				•							
C356 VCCCCY1HH121J V 120p 50V Ceramic AA C795 VCEA9M0JW476M V 47 6.3V Electrolytic AB C795 VCECY1HH30J V 47p 50V Ceramic AA C796 RC-EZ0460GEZZ J 47 6.3V Electrolytic AB C796 VCCCCY1HH271J V 270p 50V Ceramic AA C796 RC-EZ0460GEZZ J 47 6.3V Electrolytic AB C796 VCEA9M0JW276M V 22 6.3V Electrolytic AB C796 VCEA9M0JW276M V 22 6.3V Electrolytic AB C798 VCKYCY1HF103Z V 0.01 50V Ceramic AA C798 VCEA9M0JW226M V 22 6.3V Electrolytic AB C798 VCKYCY1HF103Z V 0.01 50V Ceramic AA C801 VCKYCY1HF103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C804 VCKYCY1HB103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C809 VCCCCY1HH30J V 33p 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C809 VCCCCY1HH30J V 100p 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C809 VCCCCY1HH30J V 100p 50V Ceramic AA C809 VCCCCY1H30J V 100p 50V Cer				•							
C357 VCCCCY1HH470J V 47p 50V Ceramic AA C795 VCEA9M0JW476M V 47 6.3V Electrolytic AB C360 VCCCCY1HH271J V 270p 50V Ceramic AA C796 RC-EZ0460GEZZ J 47 6.3V Electrolytic AD C361 VCCCCY1HH680J V 68p 50V Ceramic AA C798 VCKYD41CY103N V 0.01 16V Ceramic AA C799 VCEAEM0JW226M V 22 6.3V Electrolytic AB C363 VCKYCY1HF103Z V 0.01 50V Ceramic AA C801 VCKYCY1HF103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C364 VCKYCY1HF103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C369 RC-EZ0459CEZZ V 10 16V Electrolytic AE C808 VCCCCY1HH30J V 33p 50V Ceramic AA C801 VCKYCY1HH101J V 100p 50V Ceramic AA C801 VCKYCY1HB152K V 1500p 50V Ceramic AA C802 VCCCCY1HH30J V 33p 50V Ceramic AA C803 VCEA9M1HW335M V 3.3 50V Electrolytic AB C808 VCCCCY1HH101J V 100p 50V Ceramic AA C803 VCEA9M0JW226M V 22 6.3V Electrolytic AB C809 VCCCCY1HH101J V 100p 50V Ceramic AA C809 VCEA9M1CW26M V 22 6.3V Electrolytic AB C851 VCEAGA1CW227M V 220 16V Electrolytic AB C851 VCEAGA1CW227M V 220 16V Electrolytic AB C901 RC-F2063SGEZZ J 0.1 125V M.Polypro AE C809 VCKYCY1EF104Z V 0.1 25V Ceramic AA C901 RC-F2063SGEZZ J 0.1 125V M.Polypro AE C809 VCKYCY1EB103K V 0.01 25V Ceramic AA C901 RC-F2063SGEZZ J 0.01 125V M.Polypro AE C802 VCKYCY1EB103K V 0.01 25V Ceramic AA C901 RC-F2063SGEZZ J 0.01 125V M.Polypro AE C802 VCKYCY1EB103K V 0.01 25V Ceramic AA C901 RC-F2063SGEZZ J 0.01 125V M.Polypro AE C902 VCKYCY1EB103K V 0.01 25V Ceramic AA C901 RC-F2063SGEZZ J 0.01 125V M.Polypro AE C901 VCQYMA1HA471J V 470p 50V Mylar AA C902 VCKYCY1EB103K V 0.01 25V Ceramic AA C901 VCQYMA1HA471J V 2200				120p 50V Cerami						•	
C360				•							
C361							RC-EZ0460GEZZ	J	47 6.3V	' Electrolytic	: AD
C362 VCKYCY1HF103Z V 0.01 50V Ceramic AA C801 VCKYCY1HF103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C364 VCKYCY1HF103Z V 0.01 50V Ceramic AA C802 VCEA9M0JW227M V 220 6.3V Electrolytic AB C804 VCKYCY1HB103Z V 10 16V Electrolytic AE C807 VCCCCY1HH30J V 100p 50V Ceramic AA C807 VCCCCY1HH101J V 100p 50V Ceramic AA C809 VCEA9M0JW226M V 22 6.3V Electrolytic AB C810 VCEA9M1CW227M V 220 16V Electrolytic AB C901 RC-F2063SGEZZ J 0.1 125V M.Polypro AE C902 RC-F2063SGEZZ J 0.1 125V M.Polypro AE C903 RC-K20092GEZZ J 3300p 250V Ceramic AC C909 VCKYCY1EF104Z V 0.1 25V Ceramic AA C904 RC-E20463GEZZ J 100 200V Electrolytic AG C905 RC-K20029CEZZ V 0.01 500V Ceramic AC C905 RC-K20029CEZZ V 0.01 500V Ceramic AC C906 RC-K20077GEZZ J 220p 2kV Ceramic AC C907 VCQYWA1HA471J V 470p 50V Mylar AA C908 VCEABM1EW476M V 47 16V Electrolytic AB C908 VCEABM1EW476M V 47 25V Electrolytic AC C908 VCEABM1EW428M V 2200 25V Electrolytic AE C908 VCEABM1EW228M V 2200 25V Electr				- 1							
C363				•						•	
C364	C363	VCKYCY1HF10	3Z V (0.01 50V Cerami	c AA						
C369										,	
C603 VCEA9M1HW335M V 3.3 50V Electrolytic AB C604 VCEA9M0JW226M V 22 6.3V Electrolytic AB C605 VCFYSA1HB123J V 0.012 50V M.Polypro AA C606 VCKYCY1HB102K V 1000p 50V Ceramic AA C901 RC-FZ063SGEZZ J 0.1 125V M.Polypro AE C607 VCEA9M1CW476M V 47 16V Electrolytic AB C610 VCEA9M1CW26M V 22 16V Electrolytic AB C611 VCEA9M1CW26M V 22 16V Electrolytic AB C611 VCEA9M1CW26M V 22 16V Electrolytic AB C611 VCEA9M1CW106M V 10 16V Electrolytic AB C621 VCEA9M1CW476M V 47 16V Electrolytic AB C621 VCEA9M1CW476M V 47 16V Electrolytic AB C621 VCEA9M1CW476M V 47 16V Electrolytic AB C622 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C912 VCEAGH1EW228M V 2200 25V Electrolytic AE C912 VCEAGH1EW					,					Ceramic	
C604 VCEA9M0JW226M V 22 6.3V Electrolytic AB C851 VCEAGA1CW227M V 220 16V Electrolytic AC C605 VCFYSA1HB123J V 0.012 50V M.Polypro AA C621 VCEA9M1CW476M V 47 16V Electrolytic AB C622 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C621 VCEA9M1CW476M V 47 16V Electrolytic AB C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C701 VCQYTA1HM222J V 2200p 50V Mylar AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C701 VCQYTA1HM222J V 2200p 50V Mylar AA C701 VCQYTA1HM224 V 2200				•							
C605 VCFYSA1HB123J V 0.012 50V M.Polypro AA					•						
C606 VCKYCY1HB102K V 1000p 50V Ceramic AA		VCFYSA1HB123	3J V (0.012 50V M.Poly	•	A				•	
C607 VCEA9M1CW476M V 47 16V Electrolytic AB	C606			1000p 50V Cerami	c AA	- -					
C609 VCKYCY1EF104Z V 0.1 25V Ceramic AA					•						
C611 VCEA9M1CW106M V 10 16V Electrolytic AB C613 VCFYSA1HB333J V 0.033 50V M.Polypro AE C621 VCEA9M1CW476M V 47 16V Electrolytic AB C622 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C910 VCQYTA1HM222J V 2200p 50V Mylar AA C912 VCEAGH1EW228M V 2200 25V Electrolytic AE C910 VCQYTA1HW222J V 2200p 50V Mylar AA C912 VCEAGH1EW228M V 2200 25V Electrolytic AE						<u> </u>				•	
C613 VCFYSA1HB333J V 0.033 50V M.Polypro AE C907 VCQYWA1HA471J V 470p 50V Mylar AA C621 VCEA9M1CW476M V 47 16V Electrolytic AB C622 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C910 VCQYTA1HM222J V 2200p 50V Mylar AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C912 VCEAGH1EW228M V 2200 25V Electrolytic AE					•	_					
C621 VCEA9M1CW476M V 47 16V Electrolytic AB C908 VCEAEM1EW476M V 47 25V Electrolytic AC C622 VCKYCY1EB103K V 0.01 25V Ceramic AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C624 VCOPVARAAECAL V 55000 1000 Malar AA C912 VCEAGH1EW228M V 2200 25V Electrolytic AE					•						
C622 VCKYCY1EB103K V 0.01 25V Ceramic AA C910 VCQYTA1HM222J V 2200p 50V Mylar AA C623 VCKYCY1EB103K V 0.01 25V Ceramic AA C912 VCEAGH1EW228M V 2200 25V Electrolytic AE	C621	VCEA9M1CW47	76M V 4	47 16V Electrol	lytic AB					,	
CC24 VCCDVA2AAEC2 V ECOD 100V Malor AC ZI C312 VCLAGITLEVZZOVI V ZZOV Z3V LIECTIOIYTIC AL						C910	VCQYTA1HM222	J V	2200p 50V	Mylar	AA
C913 RC-EZ0353CEZZ V 330 25V Electrolytic AC											
		, , , , , , , , , , , , , , , , , , , ,					RU-EZ0353UEZZ	V	330 25V	⊏iectrolytic	: AC

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*		Description	Cod
	DUNTI	K5617	TEV5		C6406	VCKYCY1EB103K	. V	0.01	25V Ceramic	А
					C6407	VCKYCY1EB103K		0.01	25V Ceramic	Α
	Main Uni	it (Con	tinued)		C6420	VCCCCY1HH101		100p	50V Ceramic	Α
					C7705	VCKYCY1HF103Z	V	0.01	50V Ceramic	Α
<u>1</u> C914	VCEA9M1HW22	6M V 22	50V Electrolyt	ic AB	C7707	VCCCCY1HH3R0	C V	Зр	50V Ceramic	Α
<u>1</u> C914 <u>1</u> C916	RC-EZ0438GEZ		,		C7711	VCEA9M1CW106I		10	16V Electrolytic	
.∆ C917	RC-EZ0438GEZ		,		C7712	VCKYCY1HB102K				Α
C918	VCEA9M1HW47		,		C7713	VCKYCY1HB102k	V	1000p	50V Ceramic	Α
<u>1</u> C919	VCEA9M1CW10		,			DEC	ICT/	200		
<u>Ñ</u> C920	VCEA0A1JW336	6M V 33	63V Electrolyt	ic AC	D440	RES			4/40\\\\\\	J ^
<u>N</u> C921	VCEA0A1EW108	BM V 10	00 25V Electrolyt	ic AD	R110	VRS-CY1JF153J			1/16W Metal Oxio	
<u>î</u> C922	VCEA0A1VW477	7M V 47	0 35V Electrolyt	ic AB	R111 R301	VRD-RA2BE153J VRS-CY1JF101J	V		1/8W Carbon 1/16W Metal Oxid	A de A
<u>N</u> C923	VCQYTA1HM103		,	AA	R302	VRS-CY1JF101J	V		1/16W Metal Oxid	
<u>N</u> C925	RC-KZ0083GEZ			AF	R303	VRS-CY1JF101J	V		1/16W Metal Oxid	
C926	VCEA9M1HW22				R304	VRS-CY1JF391J	V		1/16W Metal Oxio	
C927	VCQYTA1HM33		005 50V Mylar	AA	R305	VRS-CY1JF101J	V		1/16W Metal Oxio	
C928	VCQYTA1HM102		,	AA	R306	VRS-CY1JF391J	V		1/16W Metal Oxid	
<u>N</u> C930 N C935	RC-KZ0114GEZZ VCKYPA2HB472		0p 1kV Ceramic 00p 500V Ceramic	AC AB	R307	VRS-CY1JF561J	V		1/16W Metal Oxid	
	RC-EZ0479CEZ				R308	VRS-CY1JF682J	V	6.8k	1/16W Metal Oxid	de A
<u>N</u> C936 C952	VCKYCY1AF105		10V Ceramic	AC	R309	VRS-CY1JF392J	V	3.9k	1/16W Metal Oxid	de A
C952	RC-EZ0460GEZ				R310	VRS-CY1JF103J	V	10k	1/16W Metal Oxid	de A
C956	VCEA9M0JW226		,		R311	VRS-CY1JF821J	V		1/16W Metal Oxid	
C957	VCEA9M0JW476		,		R312	VRS-CY1JF472J	V		1/16W Metal Oxid	
C958	VCEA9M0JW476		· · · · · · ·		R313	VRS-CY1JF152J	V		1/16W Metal Oxid	
C1501	VCKYCY1HF103		•	AA	R314	VRD-RA2BE102J	V	1k	1/8W Carbon	1
C1502	VCEA2A0JW108				R315	VRS-CY1JF561J	V		1/16W Metal Oxio	
C1503	VCKYCY1HF333		33 50V Ceramic	AA	R316	VRS-CY1JF222J	V		1/16W Metal Oxio	
C1504	VCEAGA1HW47	6M V 47	50V Electrolyt		R317	VRS-CY1JF152J	V		1/16W Metal Oxid	
C1505	VCEA9M0JW476	6M V 47	6.3V Electrolyt	ic AB	R318	VRS-CY1JF561J	V		1/16W Metal Oxio	
C1506	VCCCCY1HH10	1J V 10	0p 50V Ceramic	AA	R319	VRD-RA2BE682J	V		1/8W Carbon	1
C1507	VCCCCY1HH10		0p 50V Ceramic	AA	R320	VRS-CY1JF182J	V		1/16W Metal Oxio	
C1508	VCKYCY1HB562	2K V 56	00p 50V Ceramic	AA	R321 R322	VRD-RA2BE103J VRS-CY1JF182J	V		1/8W Carbon 1/16W Metal Oxid	de <i>i</i>
C1509	VCEA9M1CW10	6M V 10	16V Electrolyt	ic AB	R324	VRS-CY1JF102J	V	1.0k	1/16W Metal Oxid	
C1511	VCKYCY1CF104			AA	R326	VRS-CY1JF101J	V		1/16W Metal Oxid	
C1512	VCCCCY1HH22		•	AA	R327	VRS-CY1JF332J	V		1/16W Metal Oxio	
C1513	VCKYCY1EF104			. AA	R328	VRS-CY1JF331J	V		1/16W Metal Oxio	
C1601	VCEA9M1HW47		,		R329	VRD-RA2BE223J	V		1/8W Carbon	
C1671	VCKYCY1HF103 VCEA9M1CW10			AA	R330	VRS-CY1JF332J	V		1/16W Metal Oxid	
C1672 C1673	VCEA9M1EW47		,		R332	VRS-CY1JF100J	V	10	1/16W Metal Oxid	
C2501	VCEA9M1CW22		,		R334	VRS-CY1JF473J	V	47k	1/16W Metal Oxid	de /
C2501	VCEA9M1CW22				R335	VRS-CY1JF472J	V	4.7k	1/16W Metal Oxid	de /
C2502	VCEA9M1CW22				R336	VRD-RA2BE102J	V	1k	1/8W Carbon	
C2504	VCEA9M0JW476		•		R351	VRS-CY1JF221J	V	220	1/16W Metal Oxid	de /
C2505	VCEA9M0JW476				R352	VRS-CY1JF681J	V	680	1/16W Metal Oxid	de /
C2506	VCKYCY1EF104		•	AA	R353	VRS-CY1JF222J	V		1/16W Metal Oxid	
C2507	VCKYCY1EF104			AA	R354	VRS-CY1JF333J	V		1/16W Metal Oxid	
C2508	VCCSD41HL470			AA	R355	VRS-CY1JF682J	V		1/16W Metal Oxid	
C2527	VCKYCY1HF103		•	AA	R356	VRS-CY1JF102J	V		1/16W Metal Oxio	
C2533	VCE9EM1AW10				R357	VRS-CY1JF271J	V		1/16W Metal Oxid	
C2534	VCEA9M0JW107			,	R358	VRS-CY1JF102J	V		1/16W Metal Oxid	
C2535	VCKYCY1EB103	3K V 0.0		AA	R359	VRS-CY1JF222J			1/16W Metal Oxid	
C2536	VCEA9M1CW10		•		R360 R361	VRS-CY1JF222J VRS-CY1JF224J	V		1/16W Metal Oxid	
C2537	VCEA9M0JW107				R362	VRS-CY1JF104J	V		1/16W Metal Oxid	
C2538	VCEA9M1CW10		•		R363	VRS-CY1JF222J			1/16W Metal Oxid	
C2539	VCEA9M1CW10		,		R364	VRS-CY1JF222J	v		1/16W Metal Oxio	
C2540	VCEA9M0JW107		•		R366	VRS-CY1JF471J	V		1/16W Metal Oxio	
C2541	VCKYCY1HF103			AA	R367	VRS-CY1JF472J	V		1/16W Metal Oxio	
C2542	VCKYCY1HF103			AA	R371	VRD-RA2BE222J	V		1/8W Carbon	
C2555	VCKYCY1HF103			AA	R372	VRS-CY1JF104J	V		1/16W Metal Oxio	
C2556	VCEA9M0JW476		•		R602	VRS-CY1JF333J	V		1/16W Metal Oxio	
C2557 C2558	VCEA9M1CW22		•		R603	VRS-CY1JF271J	V		1/16W Metal Oxid	
C2558 C2559			•		R604	VRS-CY1JF274J	V		1/16W Metal Oxio	
	VCEA9M1CW22				R605	VRS-CY1JF682J	V		1/16W Metal Oxid	
C2561 C2562					R606	VRS-CY1JF472J	V		1/16W Metal Oxid	
C2562 C4475	VCEA9M1CW22		•		R607	VRS-CY1JF272J	V		1/16W Metal Oxio	
	VCEA9M1HW33		•		R608	VRS-CY1JF562J	V		1/16W Metal Oxio	
C4476 C6401	VCKYCY1HE103		•		R609	VRS-CY1JF182J	V		1/16W Metal Oxid	
C6401 C6402	VCKYCY1HF103			AA ic AB	R610	VRS-CY1JF105J	V		1/16W Metal Oxid	
C6402 C6403	VCKYCY1HE103		,		R615	VRS-CY1JF823J	V		1/16W Metal Oxid	
C6403	VCKYCY1HF103 VCKYCY1EB103			AA AA	R616	VRS-CY1JF153J	V		1/16W Metal Oxid	
(,6404										

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*		Description	Code
-	DUNTK	5617	TEV/5		R786	VRD-RA2BE102J	V	1k	1/8W Carbon	AA
					R787	VRD-RA2BE102J	V	1k	1/8W Carbon	AA
	Main Unit	(Con	tinued)		R788	VRD-RA2BE102J	V	1k	1/8W Carbon	AA
					R789	VRD-RA2BE102J	V	1k	1/8W Carbon	AA
R618	VRS-CY1JF153J	V 15	< 1/16W Metal O	xide AA	R790	VRS-CY1JF222J	V		1/16W Metal Ox	
R620	VRD-RA2BE181J	V 18		AA	R791	VRS-CY1JF222J	V		1/16W Metal Ox	
R629	VRS-CY1JF153J	V 15	< 1/16W Metal O	xide AA	R794 R795	VRS-CY1JF123J VRS-CY1JF563J	V	12k 56k	1/16W Metal Ox 1/16W Metal Ox	
R631	VRS-CY1JF470J	V 47	1/16W Metal O		R797	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R632	VRS-CY1JF682J		k 1/16W Metal O		R798	VRD-RA2BE223J	V	22k	1/8W Carbon	AA
R633	VRD-RA2EE4R7J	V 4.7		AA	R801	VRS-CY1JF104J	V		1/16W Metal Ox	
R635 R638	VRD-RA2BE273J VRS-CY1JF332J	V 27		AA xide AA	R802	VRS-CY1JF104J	V	100k	1/16W Metal Ox	ide AA
R640	VRS-CY1JF102J	V 3.3	1/16W Metal O		R805	VRS-CY1JF563J	V	56k	1/16W Metal Ox	
R641	VRD-RA2BE683J	V 68		AA	R808	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R642	VRS-CY1JF822J	V 8.2			R810	VRS-CY1JF123J	V	12k 1k	1/16W Metal Ox 1/8W Carbon	
R643	VRS-CY1JF561J	V 56	0 1/16W Metal O	xide AA	R812 R813	VRD-RA2BE102J VRS-CY1JF822J	V		1/16W Metal Ox	AA ide AA
R644	VRS-CY1JF151J	V 15			R814	VRS-CY1JF272J	V		1/16W Metal Ox	
R646	VRG-SC2EB2R2J	V 2.2			R818	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R701 R703	VRS-CY1JF183J VRD-RA2BE102J	V 18 V 1k	1/16W Metal O 1/8W Carbon	xide AA AA	R819	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R703	VRD-RA2BE1023 VRD-RA2BE471J	V 1K		AA	R820	VRS-CY1JF222J	V		1/16W Metal Ox	
R705	VRD-RA2BE102J	V 1k	1/8W Carbon	AA	R821	VRS-CY1JF822J	V		1/16W Metal Ox	
R706	VRS-CY1JF472J		k 1/16W Metal O		R822	VRS-CY1JF272J	V		1/16W Metal Ox	
R707	VRS-CY1JF472J	V 4.7	k 1/16W Metal O	xide AA	R823 R824	VRS-CY1JF332J VRS-CY1JF472J	V		1/16W Metal Ox 1/16W Metal Ox	
R708	VRS-CY1JF102J	V 1k	1/16W Metal O		R825	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R709	VRS-CY1JF331J	V 33			R826	VRS-CY1JF333J	v	33k	1/16W Metal Ox	
R710	VRS-CY1JF224J		Ok 1/16W Metal O		R829	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R711 R712	VRS-CY1JF472J VRS-CY1JF473J	V 4.7 V 47	k 1/16W Metal O 1/16W Metal O		R830	VRD-RM2HD270J	V	27	1/2W Carbon	AA
R713	VRS-CY1JF564J		Ok 1/16W Metal O		R851	VRD-RM2HD100J	V	10	1/2W Carbon	AA
R714	VRS-CY1JF332J		k 1/16W Metal O		R901	VRC-UB2HG275K	V		I 1/2W Solid	AF
R715	VRS-CY1JF102J	V 1k	1/16W Metal O		<u> </u>	VRS-VV3DB683J	V	68k		ide AA AA
R716	VRS-CY1JF102J	V 1k	1/16W Metal O	xide AA	R906 R907	VRD-RM2HD681J VRN-VV3ABR39J	V	680 0.39		
R717	VRS-CY1JF681J	V 68			R908	VRD-RM2HD270J	v	27	1/2W Carbon	AA
R718	VRS-CY1JF182J	V 1.8			R912	VRD-RA2BE182J	V	1.8k	1/8W Carbon	AA
R719 R720	VRD-RA2BE102J VRS-CY1JF822J	V 1k V 8.2	1/8W Carbon k 1/16W Metal O	AA xide AA	R913	VRD-RA2BE332J	V		1/8W Carbon	AA
R722	VRD-RA2BE102J	V 0.2	1/8W Carbon	AA	<u></u> R914	VRD-RM2HD154J	V		1/2W Carbon	AA
R724	VRS-CY1JF333J	V 33			⚠ R915	VRG-SC2EB2R2J	V	2.2	1/4W Fuse Res 1/8W Carbon	
R727	VRD-RA2EE151J	V 15	0 1/4W Carbon	AA	R916 R925	VRD-RA2BE822J VRD-RA2BE152J	V		1/8W Carbon 1/8W Carbon	AA AA
R728	VRD-RA2BE222J	V 2.2		AA	R926	VRD-RA2BE102J	V	1.5K	1/8W Carbon	AA
R732	VRS-CY1JF153J	V 15			R927	VRD-RA2BE102J	V	1k	1/8W Carbon	AA
R734 R735	VRS-CY1JF223J VRS-CY1JF393J	V 22 V 39			R928	VRD-RA2BE102J	V	1k	1/8W Carbon	AA
R736	VRS-CY1JF183J	V 18			R929	VRD-RA2BE102J	V	1k	1/8W Carbon	AA
R737	VRD-RA2BE102J	V 1k	1/8W Carbon	AA	R935	VRD-RA2BE121J	V	120	1/8W Carbon	AA
R738	VRD-RA2BE104J		Ok 1/8W Carbon	AA	R938 R939	VRD-RA2BE103J VRD-RM2HD101J	V	10k 100	1/8W Carbon 1/2W Carbon	AA AA
R739	VRD-RA2BE271J		0 1/8W Carbon	AA	R940	VRD-RM2HD1013	V		1/8W Carbon	AA
R740	VRD-RA2BE104J		Ok 1/8W Carbon 1/8W Carbon	AA	R942	VRD-RA2BE103J	V	10k	1/8W Carbon	AA
R741 R742	VRD-RA2BE271J VRS-CY1JF154J		0k 1/16W Metal O	AA xide AA	R943	VRD-RM2HD681J	V	680	1/2W Carbon	AA
R743	VRS-CY1JF102J	V 18	1/16W Metal O		R950	VRD-RA2BE103J	V	10k	1/8W Carbon	AA
R744	VRS-CY1JF154J		Ok 1/16W Metal O		R951	VRD-RM2HD681J	V	680	1/2W Carbon	AA
R745	VRS-CY1JF102J	V 1k	1/16W Metal O	xide AA	R952 R954	VRS-CY1JF223J VRS-CY1JF471J	V	22k 470	1/16W Metal Ox 1/16W Metal Ox	
R747	VRD-RA2BE103J	V 10		AA	R955	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R748	VRD-RA2BE103J	V 10		AA	R956	VRS-CY1JF102J	V	1k	1/16W Metal Ox	
R749	VRD-RA2EE680J	V 68	1/4W Carbon	AA	R957	VRS-CY1JF472J	V		1/16W Metal Ox	
R751 R752	VRD-RA2BE123J VRS-CY1JF123J	V 12 V 12		AA xide AA	R958	VRD-RM2HD182J	V		1/2W Carbon	AA
R753	VRD-RA2BE102J	V 1k	1/8W Carbon	AA	R959	VRD-RA2BE103J	V		1/8W Carbon	AA
R754	VRS-CY1JF102J	V 1k	1/16W Metal O		R960	VRN-VV3DB3R3J	V	3.3	2W Metal Fili	
R758	VRS-CY1JF103J	V 10			R961 R962	VRD-RM2HD182J VRD-RA2BE103J	V V		1/2W Carbon 1/8W Carbon	AA AA
R759	VRS-CY1JF103J	V 10			R965	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R760	VRS-CY1JF1R0J	V 1	1/16W Metal O		R966	VRS-CY1JF103J	V		1/16W Metal Ox	
R761 R770	VRS-CY1JF1R0J VRS-CY1JF272J	V 1 V 2.7	1/16W Metal O k 1/16W Metal O		R967	VRD-RA2BE223J	V	22k	1/8W Carbon	AA
R773	VRS-CY1JF222J		k 1/16W Metal O		R1501	VRS-CY1JF103J	V	10k	1/16W Metal Ox	
R774	VRS-CY1JF103J	V 10			R1502		V	470	1/2W Carbon	. AA
R775	VRS-CY1JF101J	V 10			R1503 R1504		V	100 100	1/16W Metal Ox 1/16W Metal Ox	
R777	VRD-RA2EE331J	V 33	0 1/4W Carbon	AA	R1504 R1506		V		1/16W Metal Ox	
R781	VRS-CY1JF103J	V 10			R1507		V	47k	1/16W Metal Ox	
R783	VRD-RA2BE102J	V 1k	1/8W Carbon	AA A A A	R1510			47	1/16W Metal Ox	
R784 R785	VRS-CY1JF331J VRD-RA2BE102J	V 33 V 1k	1/16W Metal O1/8W Carbon	xide AA AA	R1515	VRD-RM2HD102J	V	1k	1/2W Carbon	AA
K/00	VIVD-IVAZDE 102J	v 1K			R1516	VRS-CY1JF103J	V	10k	1/16W Metal Ox	ide AA
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Ref. No	. Part No	. *	Description	Code	Ref. No.	Part No.	*	Description 0	Code
	DU	NTK5617	TEV5		P2507	QPLGZ1046GEZZ	J	3, I	AC
					P2508	QPLGZ0460GEZZ	J	Plug, 4pin	AC
	Iviain	Unit (Co	ntinuea)		S701	QSW-F0042AJZZ	V		AG
	7 \/DC C\/4 II	7001 1/ 0	001- 4/40W/Matal O	-:-l-	S703 S801	QSW-F0003CEZZ QSW-K0002AJZZ	V V		AD AD
R151 R160			39k 1/16W Metal Ox 330 1/16W Metal Ox		S802	QSW-K0002AJZZ	V	,	AD
R160			.5k 1/16W Metal Ox		S881	QSW-Z0071GEZZ	J		AM
R160			0k 1/16W Metal Ox		S1501	QSW-S0004AJZZ	V		AF
R166			5.6k 1/16W Metal Ox		SC301	QSOCN0911REN1		,	AD
R166					SC601 SC602	QSOCN0695REZZ QSOCZ0293GEZZ		,	AB AC
R166 R250			5.6k 1/16W Metal Ox		SC701	QSOCN0795REZZ		, , ,	AC
R250					SC702	QSOCZ0292GEZZ			AC
R250					SC703	QSOCZ1225CEZZ			AD
R250					SC704	QSOCZ0625CEZZ			AC
R250					SC705	QSOCN0506REN1			AC
R252					SC706 SC4401	QSOCN0804REN1 QSOCN1153REZZ			AB AE
R253 R255			6.8 1/16W Metal Ox .2k 1/8W Carbon	kide AA AA	SC4401	QSOCN1153REZZ			AE
R255			.2k 1/6W Carbon 66 1/16W Metal Ox		TP301	QPLGN0447REZZ			AA
R255				AA	TP302	QPLGN0247REZZ			AA
R255			66 1/16W Metal Ox		TP305	QPLGN0239REZZ			AA
R255	7 VRS-CY1JF	F391J V 3	390 1/16W Metal Ox	kide AA	TP307	QPLGN0347REZZ			AA
R448			.5k 1/16W Metal Ox		TP415	QLUGP0101AJFW			AB
R449					TP801 TP802	QPLGN0262REZZ QPLGN0262REZZ		0. 1	AB AB
R449 R449			6.8k 1/16W Metal Ox k 1/16W Metal Ox		11 002	QCNW-0311AJZZ	V	0. 1	AE
R640			2.2k 1/8W Carbon	AA		QCNW-7899GEZZ			
R640			39k 1/16W Metal Ox						
R641	0 VRD-RA2B	E561J V 5	660 1/8W Carbon	AA		DUNTK!	56	11TFV1	
R770									
R770				AA		Operat	tio	n Unit	
R770			330 1/8W Carbon 00 1/16W Metal Ox	AA kide AA					
R770 R770			00 1/16W Metal Ox			RESI	ST	ORS	
R770					R882	VRD-RA2BE222J		2.2k 1/8W Carbon	AA
R770			k 1/8W Carbon	AA	R883	VRD-RA2BE332J	V		AA
R770	9 VRD-RA2B		0k 1/8W Carbon	AA	R884	VRD-RA2BE472J		4.7k 1/8W Carbon	AA
R771			k 1/16W Metal Ox		R885	VRD-RA2BE103J	V	10k 1/8W Carbon	AA
R771			22k 1/16W Metal Ox			MICCELLAN	ırc	NIC DARTO	
R771 R771				AA kide AA	D004	MISCELLAN			۸.
R771				AA	P881 S881	QPLGZ0626CEZZ QSW-Z0071GEZZ		Plug, 6pin(OA) JOG Switch	AF AM
R771				AA	S882	QSW-K0002AJZZ	V		AD
R771				AA	S883	QSW-K0002AJZZ	V	,	AD
R771					S884	QSW-K0002AJZZ		Switch, PAUSE/STILL A	
R772				AA	S885	QSW-K0002AJZZ			AD
R772 R772				AA AA	S887	QSW-K0002AJZZ	V	Switch, REC A	AD
R772									
R772						DUNTK!	56	12TEVA	
R772			k 1/16W Metal Ox	kide AA		Front			
R774			33k 1/16W Metal Ox			110111	^ '	VOIIIL	
R775	6 VRD-RA2B	E392J V 3	3.9k 1/8W Carbon	AA	-	DIC	DDI	=6	
	MISC	ELLANEOU	S PARTS		D891	RH-PX0280GEZZ		Photodiode	AC
⚠ ACC	001 QACCD304			AN	D892	RH-PX0280GEZZ		Photodiode	AC
⚠ F901	QFS-A3025		use, 125V/3A	AD	D893	RH-PX0270GEZZ		Photodiode	AC
FB70			Ferrite Bead	AB	D894	RH-PX0270GEZZ	J	Photodiode	AC
FB70			errite Bead	AB	D895	RH-PX0284GEZZ		Photodiode	AC
			Ferrite Bead	AB	D896	RH-PX0284GEZZ		Photodiode	AC
↑ FB90 FB90			Ferrite Bead Ferrite Bead	AB AB	0004	CAPA			4.5
			use Holder	AC	C891	VCEA9M0JW476M	I V	47 6.3V Electrolytic	AB
⚠ FH90			use Holder	AC		RESI	ST	ORS	
P161	QPLGN034	7REZZ V P	Plug, 3pin	AA	R891	VRD-RA2BE122J		1.2k 1/8W Carbon	AA
P701			Plug, 8pin (AC)	AD	R892	VRD-RA2BE122J		1.2k 1/8W Carbon	AA
P702			Plug, 2pin	AA	R893	VRD-RA2BE101J		100 1/8W Carbon	AB
P250			Plug, 10pin	AC	R895	VRD-RA2BE221J	V	220 1/8W Carbon	AA
P250 P250			Plug, 12pin	AE AC	R896	VRD-RA2BE121J		120 1/8W Carbon	AA
P250 P250			Plug, 10pin Plug, 12pin	AC AC	R897	VRD-RA2BE121J		120 1/8W Carbon	AA
P250			Plug, 12pin	AC	R898	VRD-RA2BE100J		10 1/8W Carbon	AA ^^
P250			Plug, 12pin	AC	R2204	VRD-RA2BE221J	٧	220 1/8W Carbon	AA

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*	Descr	ription	Code
	DUNTK Front AV U				FL202 FL401	RCILF0290GEZZ RCILF0289GEZZ		. S Coil Coil		AF AL
P891 RMC89 ⁻ S891 S892 S893 S894	MISCELLA QPLGZ1226CEZZ RRMCU0064GEZ QSW-K0002AJZZ QSW-K0002AJZZ QSW-K0002AJZZ QSW-K0002AJZZ LHLDP1089AJ00 LHLDP1179AJZZ LHLDP1179AJZZ LHLDZ2055AJZZ	Z V Z J V V V V V V	Plug, 12pin (FA)	AD AG AD AD AD AC AE AD	FL501 L201 L203 L204 L205 L206 L207 L208 L209 L211 L212 L213	RCILI0094GEZZ VP-XF121K0000 VP-XF680K0000 VP-DF101K0000 VP-MK470K0000 VP-XF100K0000 VP-XF560K0000 VP-MK221K0000 VP-MK221K0000 VP-MK221K0000 VP-MK221K0000 VP-MK221K0000 VP-MK221K0000 VP-MK201K0000 VP-MK201K0000	> > > > > > > > > > > > > > > > > > >	120μH 68μH 100μH 47μH 10μH 56μH 220μH 1000μH 220μH 220μH 100μH		AF AB AB AB AB AB AB AB
	DUNTK Y/0	(574 C U	_		L214 L221 L223 L225 L226 L227	VP-DF470K0000 VP-XF470K0000 VP-DF470K0000 VP-XF270K0000 VP-XF101K0000 VP-DF470K0000	V V V V	47μΗ 47μΗ 27μΗ 100μΗ		AB AB AB AB AB
IC201 IC202 IC203 IC204 IC206 IC207 IC208 IC401 IC404 IC410	INTEGRA VHiJCP0054/-1 RH-iX1426CEZZ VHiM62392FP-1 VHiTL8848AF-1 VHiCXA1211M-1 VHiNJM431E/-1 VHiNJM431E/-1 VHiVC2076MP-1 VHiBA10393F1E VHiM52363FP-1 TRAN	V V V V V V	JCP0054 TC74HC04AF M62392FP TL8848AF(EL) CXA1211M NJM431E-TE1 NJM431E-TE1 VC2076MP BA10393F M52363FP	BA AC AM AP AH AF AF AT AD	L228 L401 L402 L403 L404 L405 L470 L501 L502 L503 L504 L505	VP-XF220K0000 VP-XF330K0000 VP-XF220K0000 VP-XF121K0000 VP-XF121K0000 VP-XF180K0000 VP-MK101K0000 VP-MK471K0000 VP-MK102K0000 VP-DF101K0000 VP-XF470K0000 VP-XF470K0000 VP-XF390K0000	V V V V V V	22µH 33µH 22µH 120µH 220µH 18µH 100µH 470µH 1000µH 47µH 39µH		AB
Q201 Q202 Q204 Q205 Q207 Q208 Q209 Q210 Q213 Q215 Q216 Q217 Q218 Q401 Q402 Q403 Q404 Q405 Q406 Q407 Q408 Q409 Q411 Q412 Q411 Q412 Q414 Q421 Q422 Q427 Q501 Q502 Q505 Q4416	VSUN2213//-1 VSUN2213//-1 VSUN2213//-1 VSUN2213//-1 VSUN2213//-1 VS2SA1037KQ-1 VS2SC2412KQ-1 VS2SC2412KQ-1 VSUN2213//-1 VS2SC2412KQ-1 VSUN2213//-1 VS2SC2412KQ-1 VSUN2213//-1 VS2SC2412KQ-1 VSUN2213//-1 VS2SC2412KQ-1	V V V V V V V V V V V V V V V V V V V	UN2213 UN2213 UN2213 UN2213 2SA1037KQ 2SA1037KQ 2SC2412KQ 2SC2412KQ 2SA1037KQ UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 UN2213 2SC2412KQ UN2213 UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ UN2213 2SC2412KQ	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	C202 C203 C204 C205 C206 C207 C208 C209 C210 C211 C212 C213 C214 C215 C216 C217 C218 C219 C220 C221 C222 C223 C224 C225 C226 C227 C228 C229 C230 C231 C232 C233 C234	VCCCCY1HH470 VCKYCY1CF1042 VCKYCY1HF1032 VCEA9M0JW4761 VCKYCY1HF1032 VCEA9M0JW4761 VCKYCY1HB1021 VCKYCY1HB1021 VCKYCY1HF1032 VCCCCY1HH331 VCKYCY1HF1032 VCKYCY1HF1032 VCKYCY1HF1032 VCKYCY1HF1032 VCKYCY1HF1032 VCKYCY1HF470 VCEA9M1CW226 VCEA9M1CW226 VCEA9M1CW226 VCKYCY1HF4732 VCKYCY1HF4732 VCKYCY1HF4732 VCKYCY1HF4732 VCKYCY1HF4732 VCKYCY1HF4732 VCKYCY1HF4732 VCKYCY1HF1032 VCCCCY1HH1331	J V V V V V V V V V V V V V V V V V V V	0.1 16V 0.01 50V 47 6.3V 0.01 50V 47 6.3V 1000p 50V 1000p 50V 0.01 50V 2.2 50V 0.01 50V 1 10V 22 16V 0.47 50V 47p 50V 22 16V 0.01 50V	Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic Ceramic Electrolytic Electrolytic Ceramic Electrolytic Ceramic	AA AB AAA AAA AAA AAAAAAAAAAAAAAAAAAAA
D401 X501	VHD1S2837//1E	YST	Diode AL	AC AG	C235 C236 C237 C238 C239 C240	VCCCCY1HH121 VCKYCY1CB104I VCCCCY1HH220 VCCCCY1HH151 VCKYCY1HF1032 VCKYCY1HF1032	< V J V J V Z V	0.1 16V 22p 50V 150p 50V 0.01 50V	Ceramic Ceramic	AA AB AA AA AA

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*		Description	Code
	DUNTI	K57421	ΓF6Δ		C471	VCEAEM1HW225	M V	2.2	50V Electrolytic	AB
					C472	VCEAEM1HW225	M V	2.2	50V Electrolytic	AB
	Y/C Unit	: (Cont	inued)		C473	VCKYCY1HF1032	z V	0.01	50V Ceramic	AA
		•			C474	VCEAEM1CW476	M V	47	16V Electrolytic	AB
C241	VCEA9M0JW476	SM \/ 47	6.3V Electro	olytic AB	C475	VCCCCY1HH301	J V	300p	50V Ceramic	AA
C242	VCKYCY1HF103				C476	VCCCCY1HH301	J V	300p	50V Ceramic	AA
C243	VCKYCY1HF103				C477	VCCCCY1HH221			50V Ceramic	AA
C244	VCCCCY1HH33				C478	VCCCCY1HH820			50V Ceramic	AA
C245	VCEA9M0JW476				C479	VCCCCY1HH271				AA
C246	VCKYCY1HF103		1 50V Ceram	,	C480	VCCCCY1HH181				AA
C247	VCKYCY1HF103		1 50V Ceram	ic AA	C481	VCCCCY1HH301				AA
C249	VCKYCY1EF104	Z V 0.1	25V Ceram	ic AA	C482	VCCCCY1HH101				AA
C250	VCKYCY1HF103	3Z V 0.0	1 50V Ceram	ic AA	C483	VCCCCY1HH301				AA
C251	VCEA9M0JW476	6M V 47	6.3V Electro	olytic AB	C501	VCCCCY1HH270			50V Ceramic	AA
C252	VCKYCY1HF103				C502	VCKYCY1UE403			7 16V Ceramic 50V Ceramic	AA
C253	VCKYCY1HF103				C503	VCKYCY1HF103Z				AA
C254	VCKYCY1HF103				C504 C505	VCEA9M0JW476I VCEA9M1HW105			6.3V Electrolytic 50V Electrolytic	
C255	VCEA9M1CW22		16V Electro		C505	VCKYCY1EB153k			,	AA
C256	VCKYCY1HF103				C508	VCEA9M1HW475			50V Electrolytic	AB
C257	VCKYCY1AF105		10V Ceram		C509	VCEA9M1HW475			50V Electrolytic	
C258	VCEA9M1CW22		16V Electro	•	C510	VCKYCY1CB104F			16V Ceramic	AB
C259	VCKYCY1HF103				C510	VCEA9M1CW106			16V Electrolytic	
C260	VCKYCY1HB472		00p 50V Ceram		C512	VCCCCY1HH680			50V Ceramic	AA
C261	VCKYCY1HF103				C513	VCKYCY1CB104F			16V Ceramic	AB
C262	VCKYCY1CB104				C514	VCEA9M1HW105			50V Electrolytic	
C263	VCKYCY1CB104				C515	VCKYCY1HF103Z			50V Ceramic	AA
C264 C265	VCKYCY1CB104 VCKYCY1HF103				C516	VCEAEM1HW224			50V Electrolytic	
C266	VCKYCY1HF103				C517	VCKYCY1HF1032			50V Ceramic	AA
C279	VCEA9M1HW10		50V Electro		C518	VCKYCY1HF1032	z V	0.01	50V Ceramic	AA
C280	VCKYCY1EF104				C519	VCKYCY1HF1032	z V	0.01	50V Ceramic	AA
C281	VCEA9M1CW10		16V Electro		C520	VCKYCY1CB104F	< V	0.1	16V Ceramic	AB
C282	VCKYCY1HF103				C527	VCKYCY1CB104F	< V	0.1	16V Ceramic	AB
C283	VCCCCY1HH18				C528	VCKYCY1HF1032			50V Ceramic	AA
C284	VCKYCY1CB104				C529	VCKYCY1HF103Z			50V Ceramic	AA
C285	VCEA9M0JW476		6.3V Electro		C531	VCKYCY1CB104F			16V Ceramic	AB
C286	VCCCCY1HH330	0J V 33 ₁	50V Ceram	ić AA	C532	VCKYCY1CB104F			16V Ceramic	AB
C287	VCCCCY1HH10	1J V 10	Op 50V Ceram	ic AA	C535	VCCCCY1HH180			50V Ceramic	AA
C288	VCCCCY1HH680	0J V 68	50V Ceram	ic AA	C536	VCCCCY1HH180		•	50V Ceramic	AA
C290	VCCCCY1HH10	0D V 10	50V Ceram	ic AA	C537	VCCCCY1HH330			50V Ceramic	AA
C291	VCEA9M1CW10	6M V 10	16V Electro		C538	VCCCCY1HH471 VCCCCY1HH270				AA
C294	VCCCCY1HH15				C541 C556	VCKYCY1HF103Z			50V Ceramic 50V Ceramic	AA AA
C295	VCCCCY1HH10				C330	VCKTCTTTTT1032	_ v	0.01	30V Ceramic	AA
C296	VCCCCY1HH10					RES	TPI	ORS		
C297	VCCCCY1HH27				R202	VRS-CY1JF183J			1/16W Metal Oxide	- ΔΔ
C298	VCKYCY1AF105		10V Ceram		R205	VRS-CY1JF562J	V		1/16W Metal Oxide	
C299	VCKYCY1CF104				R206	VRS-CY1JF391J	V		1/16W Metal Oxide	
C401	VCCCCY1HH33				R207	VRS-CY1JF271J	v		1/16W Metal Oxide	
C402	VCCCCY1HH33				R208	VRS-CY1JF472J			1/16W Metal Oxide	
C403 C404	VCKYCY1HF103				R209	VRS-CY1JF472J			1/16W Metal Oxide	
C404 C405	VCKYCY1HF103 VCKYCY1HF103				R210	VRS-CY1JF470J		47	1/16W Metal Oxide	
C406	VCEA9M0JW476		6.3V Electro		R211	VRS-CY1JF101J		100	1/16W Metal Oxide	
C407	VCKYCY1HF103				R212	VRS-CY1JF470J	V	47	1/16W Metal Oxide	e AA
C408	VCKYCY1HB561				R213	VRS-CY1JF470J	V	47	1/16W Metal Oxide	e AA
C409	VCKYCY1HF473		•		R214	VRS-CY1JF334J	V		1/16W Metal Oxide	
C410	VCKYCY1HF103				R215	VRS-CY1JF122J	V		1/16W Metal Oxide	
C411	VCEA9M0JW476		6.3V Electro		R216	VRS-CY1JF152F			1/16W Metal Oxide	
C412	VCKYCY1HF103			•	R217	VRS-CY1JF682F	V		1/16W Metal Oxide	
C413	VCKYCY1HF103				R218	VRS-CY1JF152F			1/16W Metal Oxide	
C414	VCKYCY1HF103				R219	VRS-CY1JF682F	V		1/16W Metal Oxide	
C415	VCKYCY1HF103				R220	VRS-CY1JF272F	V		1/16W Metal Oxide	
C416	VCKYCY1HF103				R221	VRS-CY1JF682F			1/16W Metal Oxide	
C417	VCKYCY1HF103				R222	VRS-CY1JF222J	V		1/16W Metal Oxide	
C418	VCKYCY1HF103				R223	VRS-CY1JF391J			1/16W Metal Oxide	
C440	VCKYCY1HF103				R224	VRS-CY1JF222J	V		1/16W Metal Oxide	
C445	VCKYCY1EF104				R225	VRS-CY1JF152F			1/16W Metal Oxide	
C446	VCKYCY1AF105		10V Ceram		R226 R227	VRS-CY1JF822F	V		1/16W Metal Oxide	
C447	VCCCCY1HH22				R227 R228	VRS-CY1JF393J VRS-CY1JF101J			1/16W Metal Oxide 1/16W Metal Oxide	
C448	VCCCCY1HH12				R226 R229	VRS-CY1JF101J			1/16W Metal Oxide	
C449	VCCCCY1HH220				R230	VRS-CY1JF475J			1/16W Metal Oxide	
C450	VCEA9M1CW10		16V Electro		R231	VRS-CY1JF821J			1/16W Metal Oxide	
C454 C470	VCEA9M1CW10 VCEA9M1HW47		16V Electro	•	R235	VRS-CY1JF561J			1/16W Metal Oxide	
04/0	VOLASIVITOV4/	JIVI V 4./	JUV EIEUIT	nyuc AD	00		•			
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Ref. No.	Part No.	*	Description	Cod	de Ref.	No.	Part No.	*		Description	C	ode
	DUNTK	5742T	F6A		R ₄	456	VRS-CY1JF222J	V	2.2k	1/16W Metal	Oxide	AA
	_	_	_		R4	461	VRS-CY1JF102J	V	1k	1/16W Metal	Oxide	AA
	Y/C Unit	(Conti	nued)		R4	462	VRS-CY1JF102J	V	1k	1/16W Metal		AA
					R4	464	VRS-CY1JF102J		1k	1/16W Metal		AA
R236	VRS-CY1JF102J	V 1k	1/16W Metal 0	Oxide A	AA	465	VRS-CY1JF222J	V		1/16W Metal		AA
R256	VRS-CY1JF102J	V 1k	1/16W Metal (Oxide A	AA	479	VRS-CY1JF223J	V		1/16W Metal		
R257	VRS-CY1JF681J	V 680	1/16W Metal 0	Oxide A	$\neg \neg$	480	VRS-CY1JF223J	V	22k	1/16W Metal		
R258	VRS-CY1JF472J	V 4.7	1/16W Metal 0	Oxide A	^^	481 480	VRS-CY1JF103J		10k	1/16W Metal		
R259	VRS-CY1JF102F	V 1k	1/16W Metal (^^	489 496	VRS-CY1JF470J VRS-CY1JF101J	V	47 100	1/16W Metal 1/16W Metal		AA AA
R260	VRS-CY1JF102F	V 1k	1/16W Metal (AA D/	497	VRS-CY1JF472J	V		1/16W Metal		
R262	VRS-CY1JF471J	V 470			~~ _D	498	VRS-CY1JF472J	V		1/16W Metal		AA
R263 R264	VRS-CY1JF103J VRS-CY1JF103J	V 10k V 10k			^^	501	VRS-CY1JF102J	V	1k	1/16W Metal		AA
R272	VRS-CY1JF103J		1/16W Metal (^^	502	VRS-CY1JF472J	V	4.7k	1/16W Metal	Oxide	AA
R273	VRS-CY1JF102J	V 1.21	1/16W Metal (D	503	VRS-CY1JF333J	V	33k	1/16W Metal	Oxide	AA
R274	VRS-CY1JF102J	V 1k	1/16W Metal (D	504	VRS-CY1JF272J	V		1/16W Metal		AA
R275	VRS-CY1JF222J		c 1/16W Metal C		AA R	505	VRS-CY1JF472J	V		1/16W Metal		AA
R276	VRS-CY1JF222J	V 2.2	c 1/16W Metal 0	Oxide A	$\neg \neg$	506	VRS-CY1JF102J		1k	1/16W Metal		AA
R277	VRS-CY1JF182J	V 1.8	1/16W Metal 0	Oxide A	AA	507 508	VRS-CY1JF102J	V	1k	1/16W Metal		AA
R278	VRS-CY1JF102J	V 1k	1/16W Metal (^^	508	VRS-CY1JF681J	V	680 47	1/16W Metal 1/16W Metal		AA AA
R279	VRS-CY1JF182J		1/16W Metal 0		^^	509 511	VRS-CY1JF470J VRS-CY1JF102J	V	47 1k	1/16W Metal		AA
R281	VRS-CY1JF102J	V 1k	1/16W Metal (^^	513	VRS-CY1JF681J	V	680	1/16W Metal		
R283	VRS-CY1JF474J		k 1/16W Metal (^^	515	VRS-CY1JF331J	V	330	1/16W Metal		AA
R284	VRS-CY1JF271J	V 270			^^	518	VRS-CY1JF331J	V	330	1/16W Metal		
R285 R286	VRS-CY1JF270J VRS-CY1JF104J	V 27 V 100	1/16W Metal (k 1/16W Metal (AA D	519	VRS-CY1JF152J	V		1/16W Metal		
R287	VRS-CY1JF104J		k 1/16W Metal (AA R	520	VRS-CY1JF101J	V	100	1/16W Metal	Oxide	AA
R401	VRS-CY1JF821J		1/16W Metal (AA R	522	VRS-CY1JF101J	V	100	1/16W Metal	Oxide	AA
R402	VRS-CY1JF122J		1/16W Metal (AA R	525	VRS-CY1JF152J	V		1/16W Metal		
R405	VRS-CY1JF682J		c 1/16W Metal C		D /	4488	VRS-CY1JF222J	V	2.2k	1/16W Metal	Oxide	AA
R406	VRS-CY1JF123J	V 12k	1/16W Metal (Oxide A	AA			.=-				
R407	VRS-CY1JF272J	V 2.7	1/16W Metal 0	Oxide A	AA		MISCELLAN					
R408	VRS-CY1JF562J		1/16W Metal 0	Oxide A	/ \/ \	3201	RBLN-0036CEZZ			te Bead		AB
R411	VRS-CY1JF102J	V 1k	1/16W Metal (~~	3202 C201	RBLN-0036CEZZ QSOCN1279GEZZ	, V		te Bead cet, 12pin (AH)		AB AC
R412	VRS-CY1JF102J	V 1k	1/16W Metal (~~	C202	QSOCN1279GEZZ			ket, 12pin (An ket, 12pin	,	AC
R413	VRS-CY1JF821J	V 820			′′′	C203	QSOCN1279GEZZ			et, 12pin		AC
R414 R415	VRS-CY1JF223J VRS-CY1JF102J	V 22k V 1k	1/16W Metal (1/16W Metal (~~	C204	QSOCN1079GEZZ			et, 10pin		AC
R416	VRS-CY1JF333J	V 1K V 33k			, , , , , , , , , , , , , , , , , , ,	202	QLUGP0101AJFW		Lug	.о., тор		AB
R417	VRS-CY1JF562J		1/16W Metal (Tr	203	QLUGP0101AJFW	' V	Lug			AB
R418	VRS-CY1JF332J		1/16W Metal (P402	QLUGP0101AJFW	V	Lug			AB
R419	VRS-CY1JF103J	V 10k			aa tf	P403	QLUGP0101AJFW		Lug			AB
R420	VRS-CY1JF153J	V 15k	1/16W Metal 0	Oxide A	aa tf	P501	QLUGP0101AJFW	V	Lug			AB
R421	VRS-CY1JF103J	V 10k			AA —							
R423	VRS-CY1JF332J		1/16W Metal 0				DUNTK	561	9TI	EV3		
R424	VRS-CY1JF103J		1/16W Metal C		AA							
R425	VRS-CY1JF103J	V 10k					Hi-Fi/J	ac	K UI	nit		
R427	VRS-CY1JF102J	V 1k	1/16W Metal (
R428 R429	VRS-CY1JF102J VRS-CY1JF102J	V 1k V 1k	1/16W Metal (1/16W Metal (INTEGRAT	ED	CIRC	UITS		
R431	VRS-CY1JF102J		k 1/16W Metal (IC	161	VHiCA1124BQ-1	V	CXA	1124BQ		AY
R432	VRS-CY1JF273J	V 120			10	651	VHiTA1246AF-1			246AF		AQ
R433	VRS-CY1JF472J		1/16W Metal (IC	6601	VHiBU4066CF1E	V	BU4	066BCF		ΑE
R434	VRS-CY1JF273J	V 27k								_		
R435	VRS-CY1JF472J	V 4.7	< 1/16W Metal 0	Oxide A			TRAN	_	-			
R436	VRS-CY1JF472J	V 4.7	1/16W Metal 0	Oxide A	/ V/ \	6601	VSDTC144EK/-1			144EK		AB
R437	VRS-CY1JF470J	V 47	1/16W Metal (Oxide A		6602	VSDTC144EK/-1		_	144EK		AB
R438	VRS-CY1JF332J		1/16W Metal 0		, , ,	6603	VSDTC144EK/-1	V	DIC	144EK		AB
R439	VRS-CY1JF152J		1/16W Metal (C	OIL	2			
R440	VRS-CY1JF471J	V 470				651	_	_	و 1.5m	. Ц		AC
R441	VRS-CY1JF102J	V 1k V 3.3k	1/16W Metal (1/16W Metal (Oxide <i>F</i>)	VFADR 13330000	V	1.511	11 1		AC
R442 R443	VRS-CY1JF332J VRS-CY1JF102F	v 3.3r V 1k	1/16W Metal (CON	TR	2 10			
R444	VRS-CY1JF151J		1/16W Metal (162	RVR-M4815GEZZ			B) ST VCO A	di	AC
R445	VRS-CY1JF152J		1/16W Metal (163	RVR-M4813GEZZ			B), Filter Adj.	uj.	AC
R446	VRS-CY1JF332J		1/16W Metal 0			164	RVR-M4815GEZZ			B), Separation	(1) Ad	
R447	VRS-CY1JF332J		1/16W Metal (165	RVR-M4809GEZZ		,	(B), Separation	` '	•
R448	VRS-CY1JF391J		1/16W Metal (,	•	. ,	-
R449	VRS-CY1JF122J		1/16W Metal 0				CAPA	CIT	ORS	;		
R451	VRS-CY1JF102J	V 1k	1/16W Metal (_	162	VCEA9M1HW475N			50V Electr	olytic	AB
R452	VRS-CY1JF682J		< 1/16W Metal (163	VCKYCY1EB123K					AA
R453	VRS-CY1JF223J		1/16W Metal (164	VCKYCY1HB562K			•		AA
R454	VRS-CY1JF103J		1/16W Metal (165	VCEA9M1HW474N				,	AB
R455	VRS-CY1JF222J	v 2.2h	< 1/16W Metal (Jaide F	nn C'	166	VCEA9A1HW475N	ı V	4./	50V Electr	olytic	AB

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*	Description	Code
	DUNTK	5610	TEV3		R652	VRS-CY1JF000J	V 00	1/16W Metal Oxide	e AA
					R654	VRS-CY1JF000J	V 00	1/16W Metal Oxide	e AA
	Hi-Fi/Jack U	nit ((Continued)		R655	VRS-CY1JF471J	V 470	1/16W Metal Oxide	e AA
		•	•		R656	VRS-CY1JF471J	V 470	1/16W Metal Oxide	AA e
C167	VCKYCY1CB473K	. V 0	.047 16V Ceramic	AA	R659	VRS-CY1JF333J	V 33k	1/16W Metal Oxide	e AA
C168	VCEA9M1HW475M		.7 50V Electroly		R660	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	e AA
C169	VCEA9M1HW475N		,		R661	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	e AA
C170	VCEA9M1HW335M		3.3 50V Electroly		R662	VRD-RA2BE333J	V 33k	1/8W Carbon	AA
C171	VCEA9M1HW105N	M V 1	50V Electroly	tic AB	R663	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	
C172	VCEA9M1CW106N	VIV 1	0 16V Electroly	tic AB	R664	VRD-RA2BE333J	V 33k	1/8W Carbon	AA
C173	VCEA9M1HW475N		,		R665	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	
C174	VCKYCY1HB272K		700p 50V Ceramic		R666	VRD-RA2BE333J	V 33k V 22k	1/8W Carbon 1/16W Metal Oxide	AA N
C175	VCEA9M0JW476N				R667 R668	VRS-CY1JF223J VRD-RA2BE333J	V 22k V 33k	1/8W Carbon	AA AA
C176	VCE9EA1HW474N		0.47 50V Elect.(N.	,	R669	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	
C179	VCEA9M1CW476N		,		R670	VRS-CY1JF333J	V 33k	1/16W Metal Oxide	
C651 C652	VCEA9M1HW105M VCEA2A0JW337M		50V Electroly 30 6.3V Electroly		R671	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	
C653	VCKYCY1EB103K		0.01 25V Ceramic		R672	VRS-CY1JF333J	V 33k	1/16W Metal Oxide	
C654	VCEA9M1CW106N				R673	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	
C655	VCEA9M1HW105N				R674	VRS-CY1JF105J	V 1M	1/16W Metal Oxide	e AA
C656	VCEA9M1CW106N		,		R6501	VRS-CY1JF100J	V 10	1/16W Metal Oxide	e AA
C657	VCKYCY1EB103K		.01 25V Ceramic		R6502	VRS-CY1JF100J	V 10	1/16W Metal Oxide	
C658	VCEA9M1CW106N	M V 1	0 16V Electroly	tic AB	R6503	VRS-CY1JF750J	V 75	1/16W Metal Oxide	
C659	VCKYCY1EB103K	V 0	.01 25V Ceramic		R6504	VRS-CY1JF750J	V 75	1/16W Metal Oxide	
C660	VCEA9M0JW226N		2 6.3V Electroly		R6505	VRS-CY1JF750J	V 75	1/16W Metal Oxide	
C661	VCEA9M0JW226N		2 6.3V Electroly		R6506	VRS-CY1JF750J	V 75	1/16W Metal Oxide	
C663	VCKYCY1EF104Z		.1 25V Ceramic	AA	R6507 R6508	VRS-CY1JF750J VRS-CY1JF750J	V 75 V 75	1/16W Metal Oxide 1/16W Metal Oxide	
C664	VCEA2A0JW337M		30 6.3V Electroly		R6509	VRS-CY1JF472J		1/16W Metal Oxide	
C665	VCEXSA1HBES31		,		R6510	VRS-CY1JF750J	V 75	1/16W Metal Oxide	
C666 C667	VCFYSA1HB563J VCKYCY1HB681K		0.056 50V M.Polypt 0.80p 50V Ceramic		R6601	VRD-RA2BE333J	V 33k	1/8W Carbon	AA
C668	VCEA9M1HW105N				R6602	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	e AA
C669	VCEA9M1CW106N		0 16V Electroly		R6606	VRD-RA2BE102J	V 1k	1/8W Carbon	AA
C670	VCKYCY1EB103K		.01 25V Ceramic		R6607	VRD-RA2BE273J	V 27k	1/8W Carbon	AA
C671	VCEA9M1CW106N	M V 1	0 16V Electroly	tic AB	R6608	VRS-CY1JF223J	V 22k	1/16W Metal Oxide	
C672	VCEA9M1HW105N		50V Electroly	tic AB	R6609	VRD-RA2BE273J	V 27k	1/8W Carbon	AA
C673	VCEA9M1CW106N		0 16V Electroly		R6610 R6614	VRS-CY1JF223J VRS-CY1JF124J		1/16W Metal Oxide 1/16W Metal Oxide	
C674	VCKYCY1EF104Z		.1 25V Ceramic		R6615	VRS-CY1JF124J		c 1/16W Metal Oxide	
C675 C676	VCEA2A1CW337N VCEA9M1HW105N		30 16V Electroly 50V Electroly		R6616	VRS-CY1JF124J		1/16W Metal Oxide	
C677	VCEA9M1HW105N		,		R6617	VRS-CY1JF103J	V 10k	1/16W Metal Oxide	
C678	VCEA9M1HW105N		•		R6619	VRS-CY1JF102J	V 1k	1/16W Metal Oxide	e AA
C679	VCEA9M1HW105M				R6620	VRS-CY1JF103J	V 10k	1/16W Metal Oxide	e AA
C680	VCEA9M1HW105N	M V 1	50V Electroly	tic AB	R6626	VRD-RA2BE103J	V 10k	1/8W Carbon	AA
C681	VCEA9M1HW105N	V V 1	50V Electroly	tic AB	R6630	VRS-CY1JF000J	V 00	1/16W Metal Oxide	e AA
C682	VCEA9M0JW226N		,			MICCELLAN	IEOUS I	ADTO	
C683	VCEA9M1CW226N		,		ISEO1	MISCELLAN			٨Ц
C686			00p 50V Ceramic	AA	J6501 J6502	QJAKH0020GEZZ QJAKH0021GEZZ			AH AH
C696 C6501	VCKYCY1HB681K		80p 50V Ceramic 0.01 50V Ceramic	AA AA	J6503	QJAKT1002TGEZZ QJAKG0034GEZZ			AF
C6501	VCKYCY1CB104K			AA	P164	QPLGN0248REZZ			AA
C6608	VCEA9M1CW107N				P168	QPLGN0248REZZ	V Plug	, 2pin(TP168-9)	AA
C6609	VCEA9M1CW106N				SC651	QSOCZ1060GEZZ			AC
C6610	VCEA9M1CW106N				SC652	QSOCZ1260GEZZ			AD
C6611	VCEA9M1CW476N	V V 4	7 16V Electroly	tic AB	SC653	QSOCZ1060GEZZ			AC
C6612	VCKYCY1EB103K	V 0	0.01 25V Ceramic	AA	SC654	QSOCZ0460GEZZ	. J Soci	ket, 4pin	AC
	7.50								
D166	VRS-CY1JF105J	ISTOF		داطم ۸۸		DUNTK	5729T	E6A	
R166 R167	VRS-CY1JF105J VRS-CY1JF104J	V 1	M 1/16W Metal Ox 00k 1/16W Metal Ox				Unit		
R168	VRS-CY1JF153J		5k 1/16W Metal Ox			ININ	Ullit		
R169	VRS-CY1JF822J		3.2k 1/16W Metal Ox		-				
R170	VRS-CY1JF104J		00k 1/16W Metal Ox			INTEGRAT		CUITS	
R171	VRS-CY1JF222J		2.2k 1/16W Metal Ox		IC2301	VHiLC74391E-1	V I.C.		AZ
R172	VRS-CY1JF682J	V 6	5.8k 1/16W Metal Ox	ide AA	IC2302	VHiCXA1211M-1	V CXA		AH
R173	VRS-CY1JF682J		5.8k 1/16W Metal Ox		IC2303	VHiTC90A45F-1	V TC9		AM
R174	VRS-CY1JF393J		9k 1/16W Metal Ox		IC2304	VHiNJM2283F-1	V NJM	ZZOJIVI	AF
R175	VRS-CY1JF473J		7k 1/16W Metal Ox			TRAN	SISTOR	s	
R176 R177	VRS-CY1JF473J VRS-CY1JF392J		7k 1/16W Metal Ox 3.9k 1/16W Metal Ox		Q2301	VS2SA1037KQ-1	V 2SA		AA
R177	VRS-CY1JF392J VRS-CY1JF332J		3.3k 1/16W Metal Ox		Q2302	VS2SC2412KQ-1		2412KQ	AA
R179	VRS-CY1JF333J		3k 1/16W Metal Ox		Q2303	VS2SA1037KQ-1	V 2SA		AA
R180	VRS-CY1JF103J		0k 1/16W Metal Ox		Q2304	VS2SC2412KQ-1	V 2SC	2412KQ	AA
R181	VRS-CY1JF223J	V 2	2k 1/16W Metal Ox	ide AA	Q2305	VS2SC2412KQ-1	V 2SC	2412KQ	AA

DUNTK5729TE6A NR Unit (Continued)	Ref. No.	Part No.	*		Desc	ription	Code	Ref. No.	Part No.	*		Description	Code
C2309)		C2351 C2352	VCCCCY1HH8R0 VCKYCY1CF333Z	D V Y	8p 0.03	50V Ceramic 3 16V Ceramic	AA AA
C2360													
C2398 VS2SC2417KG-1 V 2SC2417KG AA C2356 VCEA9MH-W105M V 1 50V Electrolytic AB C2391 VS2SC2417KG-1 V 2SC417KG AA C2358 VCEA9MH-W105M V 1 10V Electrolytic AB C2391 VS2SC2417KG-1 V 2SC412KG AA C2358 VCEA9MH-W105M V 1 10V Electrolytic AB C2391 VS2SC2417KG-1 V 2SC2412KG AA C2358 VCEA9MH-W105M V 1 10V Electrolytic AB C2391 VS2SC2417KG-1 V 2SC2412KG AA C2391 VCECYP1H-1032 V 10 50V Ceramic AA C2391 VCECYP1H-1032 V 10 C2391 VCECYP1H-1032 V 10 V													
C2309 V2.S2C.241.2K.C V .2SC.241.2K.C A.												,	
C2391			-									,	
Description													
Q2312 V252C412KQ-1 V 25C2412KQ AA C2381 VCKYCYHHF1032 V 0.01 50V Ceramic AA C2381 VCKYCYHHF1032 V 0.01 25V Ceramic AA C2381 VCKYCYHF1032 V 0.01 25V Ceramic AC C2382 VCKYCYHF1032 V 0.01 25V Ceramic AA C2381 VCKYCYHF1032 V 0.01 25V Ceramic AA			-					C2359	VCEA9M1CW106	M V	10	16V Electrolytic	: AB
Diode													
Diagram Casa		VS2SC2412KQ-1	V	2SC2	412K0	2	AA						
C2011													
Coll			_										
C2301	D2301	VHD1SS119//-1	V	Diode)		AB						
L2301		•	~ !!	_									
L2302	1.2204						۸D						
L2303													
L2304				•					RES	IST	ORS		
L2306													
C2301 VCEA9MH1W475M V 4.7 50V Electrolytic AB R2304 VRS-CYJJ=102J V 1k 116W Metal Oxide AA R2303 VRS-CYJ=102J V 1k 116W Metal Oxide AA R2303 VRS-CYJ=103J V 10			V										
C2301 CAPACITORS CAPACITORS C2302 VCEA9MIHW475M V 4.7 SOV Electrolytic AB R2306 VRS-CYJJ=102J V 18 1/16W Metal Oxide AA C2302 VCEA9MIHW475M V 4.7 SOV Electrolytic AB R2309 VRS-CYJJ=103J V 300 1/16W Metal Oxide AA C2304 VCEA9MIHW475M V 4.7 SOV Electrolytic AB R2309 VRS-CYJJ=103J V 300 1/16W Metal Oxide AA C2306 VCECYCYJ=1010J V 1/16W Metal Oxide AA C2306 VCECYCYJ=1010J V 1/16W Metal Oxide AA C2306 VCECYCYJ=1010J V 1/16W Metal Oxide AA C2306 VCCCCYJ=10H10J V 1/16W Metal Oxide AA C2307 VCCCYJ=10H10J V 1/16W Metal Oxide AA R2311 VRS-CYJJ=103J V 100 1/16W Metal Oxide AA C2309 VCCCYJ=10H10J V 100 SOV Ceramic AA R2311 VRS-CYJ=103J V 100 1/16W Metal Oxide AA R2311 VRS-CYJ=103J V 100	L2306	VP-MK270K0000	V	27μH			AB						
C2301 VCEA9MHHW475M V 4.7 50V Electrolytic AB R2306 VRS-CYIJ-B743 V 330 1/16W Metal Oxide AA C2303 VCEA9MHHW475M V 4.7 50V Electrolytic AB R2306 VRS-CYIJ-B743 V 330 1/16W Metal Oxide AA C2304 VCEA9MHHW475M V 4.7 50V Electrolytic AB R2306 VRS-CYIJ-B103 V 300 1/16W Metal Oxide AA C2305 VCEA9MHHW475M V 4.7 50V Electrolytic AB R2310 VRS-CYIJ-B103 V 10k 1/16W Metal Oxide AA C2306 VCKYCYOJB106K V 1 6.3V Ceramic AA R2311 VRS-CYIJ-B103 V 10k 1/16W Metal Oxide AA C2306 VCKYCYOJB106K V 1 6.3V Ceramic AA R2311 VRS-CYIJ-B103 V 10k 1/16W Metal Oxide AA C2306 VCKYCYOJB106K V 1 6.5V Electrolytic AB R2314 VRS-CYIJ-B103 V 10k 1/16W Metal Oxide AA C2308 VCKYCYOJB106K V 1 6.5V Electrolytic AB R2314 VRS-CYIJ-B103 V 10k 1/16W Metal Oxide AA C2308 VCKYCYOJB106K V 1 6.5V Electrolytic AB R2314 VRS-CYIJ-B103 V 10k 1/16W Metal Oxide AA C2309 VCEA9MHCW106M V 1 6.5V Electrolytic AB R2314 VRS-CYIJ-B102 V 1k 1/16W Metal Oxide AA C2311 VCKYCYTHEF104Z V 0.1 25V Ceramic AA R2318 VRS-CYIJ-B102 V 1k 1/16W Metal Oxide AA C2314 VCCCCYTHHH100D V 10p 50V Ceramic AA R2318 VRS-CYIJ-B22 V 2.2V 1/16W Metal Oxide AA C2314 VCCCCYTHH100D V 10p 50V Ceramic AA R2318 VRS-CYIJ-B27 V 270 1/16W Metal Oxide AA C2314 VCCCCYTHH100D V 10p 50V Ceramic AA R2328 VRS-CYIJ-B27 V 270 1/16W Metal Oxide AA C2315 VCCCCYTHH100D V 10p 50V Ceramic AA R2329 VRS-CYIJ-B27 V 270 1/16W Metal Oxide AA C2314 VCCCCYTHH100D V 10p 50V Ceramic AA R2329 VRS-CYIJ-B27 V 270 1/16W Metal Oxide AA C2320 VCKYCYTEB103K V 0.01 2/5V Ceramic AA R2329 VRS-CYIJ-B27 V 270 1/16W Metal Oxide AA C2320 VCKYCYTEB103K V 0.01 2/5V Ceramic AA R2329 VRS-CYIJ-B27 V 270 1/16W Metal Oxide AA C2320 VCKYCYTEB103K V 0.01 2/5V Ceramic AA R2329 VRS-CYI	L2307	VP-MK470K0000	V	47μΗ			AB						
C2301		0.15											
C2303 VCEA9MITHWATSM V 4,7 50V Electrolytic AB R2309 VRS-CYTJF101J V 100 1/16W Metal Oxide AA C2303 VCEA9MITHWATSM V 4,7 50V Electrolytic AB R2310 VRS-CYTJF103J V 100 1/16W Metal Oxide AA C2305 VCEA9MITHWATSM V 1 6.3V Ceramic AC R2312 VRS-CYTJF103J V 100 1/16W Metal Oxide AA C2306 VCCCCYTHH101J V 100p 50V Ceramic AC R2312 VRS-CYTJF103J V 100 1/16W Metal Oxide AA C2306 VCCCYTHH101J V 100p 50V Ceramic AA R2313 VRS-CYTJF103J V 100 1/16W Metal Oxide AA C2306 VCCCYTHH101J V 10p 50V Ceramic AA R2314 VRS-CYTJF102J V 100 1/16W Metal Oxide AA C2308 VCCA9MITCW106M V 1 50V Electrolytic AB R2314 VRS-CYTJF102J V 100 1/16W Metal Oxide AA C2308 VCCCYTHH100D V 10p 50V Ceramic AA R2315 VRS-CYTJF202J V 2.2k 1/16W Metal Oxide AA C2314 VCCCCYTHH100D V 10p 50V Ceramic AA R2318 VRS-CYTJF102J V 100 1/16W Metal Oxide AA R2314 VRS-CYTJF102J V 100 1/16W Metal Oxide AA R2315 VRS-CYTJF102J V 100 1/16W Metal Oxide AA R2315 VRS-CYTJF102J V 100 1/16W Metal Oxide AA R2316 VRS-CYTJF102J V 100 1/16W Metal Oxide AA R2318 VRS-CYTJF102J V 100 1/16W Metal Oxide AA R2320 VRS-CYTJF102J	00004	_	_	_	50\ /		4.5						
C2303						•							
C2304 VCEA9M1HW475M V 4.7 50V Electrolytic AB R2311 VRS-CY1JF103J V 10k 1/16W Metal Oxide AA C2306 VCCCCY1HH101J V 100p 50V Ceramic AA R2312 VRS-CY1JF103J V 10k 1/16W Metal Oxide AA C2308 VCEA9M1CW106M V 10 16V Electrolytic AB R2313 VRS-CY1JF103J V 10k 1/16W Metal Oxide AA C2308 VCEA9M1HW105M V 1 16V Electrolytic AB R2314 VRS-CY1JF103J V 10k 1/16W Metal Oxide AA C2309 VCEA9M1HW105M V 1 16V Electrolytic AB R2315 VRS-CY1JF103J V 10k 1/16W Metal Oxide AA C2310 VCEA9M1HW105M V 1 16V Electrolytic AB R2316 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2311 VCECYCY1HF104Z V 0 16V Electrolytic AB R2316 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2312 VCKYCYTHB102K V 1000p 50V Ceramic AA R2318 VRS-CY1JF27J V 370 1/16W Metal Oxide AA C2313 VCCCCY1HH100D V 10p 50V Ceramic AA R2318 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2315 VCCCV1HH100D V 10p 50V Ceramic AA R2320 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2315 VCCCV1HH100D V 10p 50V Ceramic AA R2322 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2315 VCCCV1HH100D V 10p 50V Ceramic AA R2322 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2315 VCCCV1HH100D V 10p 50V Ceramic AA R2322 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2323 VCCCV1HH100J V 10p 50V Ceramic AA R2325 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2325 VCKYV1EB103K V 0.01 25V Ceramic AA R2325 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2325 VCKYV1EB103K V 0.01 25V Ceramic AA R2325 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2326 VCKYV1EB103K V 0.01 25V Ceramic AA R2326 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2326 VCKYV1EB103K V 0.01 25V Ceramic AA R2326 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2326 VCKYV1EB103K V 0.01 25V Ceramic AA R2326 VRS-CY1JF27J V 270 1/16W Metal Oxide AA C2326 VCCCV1HH172J V 12P						•		R2309	VRS-CY1JF331J	V	330	1/16W Metal Oxid	e AA
C2305 VCKCYCV1BH103 V 10 6.3 V Ceramic AC R2311 VRS-CY1JF103 V 10k 1/16W Metal Oxide AA R2312 VRS-CY1JF103 V 10k 1/16W Metal Oxide AA R2313 VRS-CY1JF103 V 10k 1/16W Metal Oxide AA R2314 VRS-CY1JF103 V 10k 1/16W Metal Oxide AA R2315 VRS-CY1JF103 V 10k 1/16W Metal Oxide AA R2316 VRS-CY1JF103 V 10k 1/16W Metal Oxide AA R2317 VRS-CY1JF103 V 10k 1/16W Metal Oxide AA R2318 VRS-CY1JF271 V 10k 1/16W Metal Oxide AA R2318 VRS-CY1JF271 V 270 1/16W Metal Oxide AA R2319 VRS-CY1JF271 V 270 1/16W Metal Oxide AA R2319 VRS-CY1JF271 V 270 1/16W Metal Oxide AA R2320 VRS-CY1JF271 V 270 1/16W Metal Oxide AA R2321 VRS-CY1JF271 V 270 1/16W Metal Oxide AA R2322 VRS-CY1JF271 V 270						•							
C2306						•							
C2309 VCEXPMTCH/T0F33Z V 0.033 16V Ceramic AB R2314 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2315 VRS-CY1JF271J V 270 1/16W Metal Oxide AA R2311 VRS-CY1JF271J V 270 1/16W Metal Oxide AA R2313 VRS-CY1JF371J V 270 1/16W Metal Oxide AA R2315 VRS-CY1JF371J V 270 1/16W Metal Oxide AA R2325 VRS-CY3JF371J V 270 1/16W													
C2309 VCRYCYTLE7332 V 0.033 PO Ceramic AB R2315 VRS-CYJLF271) V 270 1/16W Metal Oxide AA C2311 VCRYCYTLE704Z V 0.1 25V Ceramic AA R2311 VRS-CYJLF212J V 2.24 1/16W Metal Oxide AA R2312 VCRYCYTLE704Z V 0.1 25V Ceramic AA R2318 VRS-CYJLF217J V 270 1/16W Metal Oxide AA R2319 VCCCCYTHH100D V 10p 50V Ceramic AA R2319 VRS-CYJJF271J V 270 1/16W Metal Oxide AA R2314 VCCCCYTHH100D V 10p 50V Ceramic AA R2319 VRS-CYJJF271J V 170 1/16W Metal Oxide AA R2314 VCCCCYTHH100D V 10p 50V Ceramic AA R2319 VRS-CYJJF271J V 170 1/16W Metal Oxide AA R2318 VCCCCY1HH100D V 10p 50V Ceramic AA R2322 VRS-CYJJF271J V 270 1/16W Metal Oxide AA R2322 VCKYCYTEB103K V 0.011 25V Ceramic AA R2322 VRS-CYJJF271J V 270 1/16W Metal Oxide AA R2322 VCKYCYTEB103K V 0.011 25V Ceramic AA R2322 VRS-CYJJF102J V 11 1/16W Metal Oxide AA R2322 VCCCCYTHH121J V 120p 50V Ceramic AA R2323 VRS-CYJJF271J V 820 1/16W Metal Oxide AA R2324 VCCCCYTHH161J V 120p 50V Ceramic AA R2323 VRS-CYJJF271J V 820 1/16W Metal Oxide AA R2324 VCCCCYTHH161J V 120p 50V Ceramic AA R2333 VRS-CYJJF273J V 11 1/16W Metal Oxide AA R2334 VRS-CYJJF273J V 11 1/16W Metal Oxide AA R2334 VRS-CYJJF273J V 11 1/16W Metal Oxide AA R23					16V	Electrolytic	AB			-			
C2310 VCEA9MTCW106M V 10 16V Electrolytic AB R2317 VRS-CV1JF2221 V 2.2k 1/16W Metal Oxide AA C2311 VCKYCY1EF104Z V 0.1 25V Ceramic AA R2319 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2313 VCCCCY1HH100D V 10p 50V Ceramic AA R2319 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2315 VCECCY1HH100D V 10p 50V Ceramic AA R2320 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2317 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2317 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2318 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2317 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2317 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2317 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2318 VCCCCY1HH100D V 10p 50V Ceramic AA R2320 VRS-CY1JF102J V 17 1/16W Metal Oxide AA R2318 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2319 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2321 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2322 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2322 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2323 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2328 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2328 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2328 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2333 VRS-CY1JF102J V 1k 1/16W Metal Oxid													
C2311 VCKYCY1EF104Z V 0.1 25V ceramic AA R2319 VRS-CY1JF471J V 470 1/16W Metal Oxide AA C2312 VCKYCY1HH100D V 10p 50V Ceramic AA R2319 VRS-CY1JF271J V 270 1/16W Metal Oxide AA C2314 VCCCCY1HH100D V 10p 50V Ceramic AA R2319 VRS-CY1JF271J V 270 1/16W Metal Oxide AA C2315 VCEA9M1CW106M V 10 16V Electrolytic AB R2321 VRS-CY1JF470J V 47 1/16W Metal Oxide AA C2315 VCECCY1HH4100D V 10p 50V Ceramic AA R2320 VRS-CY1JF470J V 47 1/16W Metal Oxide AA C2315 VCCCCY1HH4100D V 10p 50V Ceramic AA R2320 VRS-CY1JF470J V 47 1/16W Metal Oxide AA C2318 VCCCCY1HH4100D V 10p 50V Ceramic AA R2321 VRS-CY1JF470J V 47 1/16W Metal Oxide AA C2318 VCCCCY1HH410D V 47p 50V Ceramic AA R2322 VRS-CY1JF20J V 2.2k 1/8W Carbon AA C2320 VCKYCY1EB103X V 0.01 50V Ceramic AA R2325 VRD-RA2BE822J V 2.2k 1/8W Carbon AA C2320 VCKYCY1EB103X V 0.01 25V Ceramic AA R2327 VRD-RA2BE821J V 820 1/8W Carbon AA C2322 VCEA9M1CW106M V 10 16V Electrolytic AB R2329 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA C2323 VCKYCY1EB103X V 0.01 25V Ceramic AA R2327 VRD-RA2BE821J V 820 1/8W Carbon AA C2322 VCEA9M1CW106M V 10 16V Electrolytic AB R2329 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA C2323 VCKYCY1EB103X V 0.01 25V Ceramic AA R2329 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA C2325 VCKYCY1EB103X V 0.01 25V Ceramic AA R2330 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA C2327 VCCCCY1HH181J V 120p 50V Ceramic AA R2331 VRS-CY1JF32J V 320 1/8W Carbon AA C2329 VCKYCY1EB103X V 0.01 25V Ceramic AA R2331 VRS-CY1JF32J V 320 1/8W Metal Oxide AA C2328 VCKYCY1EB103X V 0.01 25V Ceramic AA R2331 VRS-CY1JF32J V 320 1/16W Metal Oxide AA C2329 VCKYCY1EB103X V 0.01 25V Ceramic AA R2331 VRS-CY1JF32J V 320 1/8W Metal Oxide AA C2332 VCKYCY1EB103X V 0.01 25V Ceramic AA R2333 VRS-CY1JF32J V 320 1/8W Metal Oxide AA C2333 VCECCY1HH120J V 12p 50V Ceramic AA R2339 VRS-CY1JF33J V 27k 1/16W Metal Oxide AA C2333 VCECCY1HH120J V 12p 50V Ceramic AA R2339 VRS-CY1JF33J V 27k 1/16W Metal Oxide AA C2334 VCCCCY1HH1650J V 56p 50V Ceramic AA R2340 VRS-CY1JF33J V 33k 1/16W Metal Oxide AA C2334 VCCCCY1HH1650J V 12p 50V Ceramic AA R2										-			
C2312						•				V			
C2313									VRS-CY1JF102J	V	1k	1/16W Metal Oxid	e AA
C2314													
C2315 VCCCCY1HH100D V 10p 50V Ceramic AA R2322 VRS-CY1JF821J V 820 1/16W Metal Oxide AA R2325 VRS-CY1JF821J V 820 1/16W Metal Oxide AA R2325 VRS-CY1JF821J V 820 1/16W Metal Oxide AA R2325 VRS-CY1JF821J V 820 1/16W Metal Oxide AA R2326 VRS-CY1JF821J V 820 1/16W Metal Oxide AA R2328 VRS-CY1JF821J V 820 1/16W Metal Oxide AA R2338 VRS-CY1JF821J V 820 1/16W Metal Oxide AA													
C2316		VCEA9M1CW106	V N	10	16V	Electrolytic	AB						
C2318													
C2320													
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C2334 VCCCCY1HH120J V 12p 50V Ceramic AA R2340 VRS-CY1JF472J V 4.7k 1/16W Metal Oxide AA R2345 VRS-CY1HF103Z V 0.01 50V Ceramic AA R2341 VRS-CY1JF821J V 820 1/16W Metal Oxide AA R2346 VCCCCY1HH560J V 56p 50V Ceramic AA R2342 VRS-CY1JF471J V 470 1/16W Metal Oxide AA R2347 VCCCCY1HH560J V 12p 50V Ceramic AA R2344 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2349 VCCCCY1HH120J V 12p 50V Ceramic AA R2345 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2340 VCCCY1HH120J V 12p 50V Ceramic AA R2345 VRS-CY1JF182J V 1.8k 1/16W Metal Oxide AA R2340 VCEA9M1CW106M V 10 16V Electrolytic AB R2347 VRS-CY1JF681J V 680 1/16W Metal Oxide AA R2342 VCEA9M1CW106M V 10 16V Electrolytic AB R2349 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2349 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2340 VCCCY1HH30J V 12p 50V Ceramic AC R2348 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2340 VCCCY1HH30J V 12p 50V Ceramic AA R2340 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2341 VCCCCY1HH30J V 12p 50V Ceramic AA R2340 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2340 VCCCY1HH30J V 12p 50V Ceramic AA R2340 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2340 VCCCCY1HH120J V 12p 50V Ceramic AA R2350 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2340 VCCCCY1HH120J V 12p 50V Ceramic AA R2350 VRS-CY1JF332J V 3.3k 1/16W Metal Oxide AA R2351 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2351 VRS-CY1JF105J V 1k 1/16W Metal Oxide AA R2355 VRS-CY1JF105J V 1k 1/													
C2335 VCKYCY1HF103Z V 0.01 50V Ceramic AA R2342 VRS-CY1JF471J V 470 1/16W Metal Oxide AA R2343 VCCCCY1HH560J V 56p 50V Ceramic AA R2343 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2343 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2344 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2349 VCCCCY1HH120J V 12p 50V Ceramic AA R2345 VRS-CY1JF182J V 1.8k 1/16W Metal Oxide AA R2340 VCEA9M1CW106M V 10 16V Electrolytic AB R2347 VRS-CY1JF681J V 680 1/16W Metal Oxide AA R2341 VCKYCY0JB105K V 1 6.3V Ceramic AC R2342 VCEA9M1CW106M V 10 16V Electrolytic AB R2349 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2346 VRS-CY1JF472J V 4.7k 1/16W Metal Oxide AA R2349 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2349 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2349 VRS-CY1JF102J V 1													
C2336 VCCCCY1HH560J V 56p 50V Ceramic AA R2343 VRS-CY1JF4/1J V 4/0 1/16W Metal Oxide AA R2337 VCCCCY1HH5R0C V 5p 50V Ceramic AA R2344 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2349 VCCCCY1HH120J V 12p 50V Ceramic AA R2345 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2340 VCEA9M1CW106M V 10 16V Electrolytic AB R2347 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2341 VCKYCY0JB105K V 1 6.3V Ceramic AC R2342 VCEA9M1CW106M V 10 16V Electrolytic AB R2349 VRS-CY1JF472J V 4.7k 1/16W Metal Oxide AA R2349 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2349 VRS-CY1JF102J V 1k 1/16W								R2341	VRS-CY1JF821J	V	820	1/16W Metal Oxid	e AA
C2337 VCCCCY1HH5R0C V 5p 50V Ceramic AA R2344 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2345 VRS-CY1JF182J V 1.8k 1/16W Metal Oxide AA R2345 VRS-CY1JF182J V 1.8k 1/16W Metal Oxide AA R2346 VRS-CY1JF182J V 1.8k 1/16W Metal Oxide AA R2346 VRS-CY1JF182J V 1.8k 1/16W Metal Oxide AA R2346 VRS-CY1JF102J V 1.8k 1/16W Metal Oxide AA R2347 VRS-CY1JF102J V 1.8k 1/16W Metal Oxide AA R2349 VRS-CY1JF102J V 1.8k 1/16W Metal													
C2338 VCCCCY1HH120J V 12p 50V Ceramic AA R2345 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2340 VCEA9M1CW106M V 10 16V Electrolytic AB R2347 VRS-CY1JF681J V 680 1/16W Metal Oxide AA R2342 VCEA9M1CW106M V 10 16V Electrolytic AB R2349 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2342 VCEA9M1CW106M V 10 16V Electrolytic AB R2349 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2344 VCCCCY1HH330J V 33p 50V Ceramic AA R2349 VRS-CY1JF333J V 33k 1/16W Metal Oxide AA R2349 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2349 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2349 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2349 VRS-CY1JF105J V 1M 1/16W Metal Oxide AA R2350 VRS-CY1JF105J V 1M													
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C2341 VCKYCY0JB105K V 1 6.3V Ceramic AC C2342 VCEA9M1CW106M V 10 16V Electrolytic AB C2343 VCCCCY1HH330J V 33p 50V Ceramic AA C2344 VCCCCY1HH120J V 12p 50V Ceramic AA C2345 VCEA9M1CW476M V 47 16V Electrolytic AB C2346 VCEA9M1CW106M V 10 16V Electrolytic AB C2347 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCCCCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2345 VCEA9M1CW106M V 10 16V Electrolytic AB C2346 VCEA9M1CW106M V 10 16V Electrolytic AB C2347 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2345 VCEA9M1CW106M V 10 16V Electrolytic AB C2346 VCEA9M1CW106M V 10 16V Electrolytic AB C2346 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2345 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2345 VCEA9M1CW106M V 10 16V Electrolytic AB C2345 VCEA9M1CW106M V 10 16V Electrolytic AB C2347 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCEA9M1CW106M V 10 16V Electrolytic AB C2344 VCEA9M1CW106M V 10 16V Electrolytic AB C2344 VCEA9M1CW106M V 10 16V Electrolytic AB C2345 VCEA9M1CW106M V 10 16V Electrolytic AB C2345 VCEA9M1CW106M V 10 16V Electrolytic AB C2347 VCEA9M1CW1		VCCCCY1HH120J	l V	12p	50V	Ceramic							
C2342 VCEA9M1CW106M V 10 16V Electrolytic AB C2344 VCCCCY1HH330J V 33p 50V Ceramic AA C2344 VCCCCY1HH120J V 12p 50V Ceramic AA C2345 VCEA9M1CW476M V 47 16V Electrolytic AB C2346 VCEA9M1CW106M V 10 16V Electrolytic AB C2347 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2345 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2346 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2347 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2345 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2346 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2346 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2346 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2346 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2347 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF10						•							
C2343 VCCCCY1HH330J V 33p 50V Ceramic AA C2344 VCCCCY1HH120J V 12p 50V Ceramic AA C2345 VCEA9M1CW106M V 10 16V Electrolytic AB C2346 VCEA9M1CW106M V 10 16V Electrolytic AB C2347 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2448 VCKYCY1HF103Z V 0													
C2344 VCCCCY1HH320J V 33p 50V Ceramic AA R2350 VRS-CY1JF332J V 3.3k 1/16W Metal Oxide AA R2345 VCEA9M1CW476M V 47 16V Electrolytic AB R2351 VRS-CY1JF102J V 1k 1/16W Metal Oxide AA R2346 VCEA9M1CW106M V 10 16V Electrolytic AB R2352 VRS-CY1JF105J V 1M 1/16W Metal Oxide AA R2347 VCEA9M1CW106M V 10 16V Electrolytic AB R2353 VRS-CY1JF332J V 3.3k 1/16W Metal Oxide AA R2354 VRS-CY1JF332J V 3.3k 1/16W Metal Oxide AA R2354 VRS-CY1JF332J V 3.3k 1/16W Metal Oxide AA R2358 VRS-CY1JF332J V 3.3k 1/16W Metal Oxide AA R2359 VRS-CY1JF332J V 3.3k 1/16W Metal Oxide AA R2						•							
C2345 VCEA9M1CW476M V 47 16V Electrolytic AB C2346 VCEA9M1CW106M V 10 16V Electrolytic AB C2347 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2351 VRS-CY1JF102J V 11K 1/16W Metal Oxide AA C2352 VRS-CY1JF102J V 11K 1/16W Metal Oxide AA C2354 VRS-CY1JF102J V 11K 1/16W Metal Oxide AA C2355 VRS-CY1JF102J V 11K 1/16W Metal Oxide AA C2357 VRS-CY1JF102J V 11K 1/16W Metal Oxi											3.3k		
C2346 VCEA9M1CW106M V 10 16V Electrolytic AB C2347 VCEA9M1CW106M V 10 16V Electrolytic AB C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA C2358 VRS-CY1JF105J V 1M 1/16W Metal Oxide AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA R2353 VRS-CY1JF105J V 1M 1/16W Metal Oxide AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA R2355 VRS-CY1JF105J V 1M 1/16W Metal Oxide AA C2345 VRS-CY1JF105J V 1M 1/16W Metal Oxide AA C2347 VCKYCY1JF105J V 1M 1/16W Metal Oxide AA C2348 VCKYCY1JF105J V 1M 1/16W Metal Oxi													
C2347 VCEA9M1CW106M V 10 16V Electrolytic AB R2353 VRS-CY1JF332J V 3.3k 1/16W Metal Oxide AA C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA R2355 VRS-CY1JF101J V 100 1/16W Metal Oxide AA R2355 VRS-CY1JF122J V 1.2k 1/16W Metal Oxide AA R2355 VRS-CY1JF122J V 1.2k 1/16W Metal Oxide AA						•							
C2348 VCKYCY1HF103Z V 0.01 50V Ceramic AA R2354 VRS-CY1JF101J V 100 1/16W Metal Oxide AA						•							
C2349 VCCCCY1HH120J V 12p 50V Ceramic AA							AA						
	C2349	VCCCCY1HH120J	I V	12p	50V	Ceramic	AA	112000	01 101 1220	v	41	., rott Motal Oxlu	J / I/N

Ref. No.	Part No.	*	Description	Code	Ref. No.	Part No.	*	Description C	ode
	DUNTK NR Unit (N	MECHANISM C	:H	ASSIS PARTS	
R2356	VRS-CY1JF222J	\/ 2.2k	1/16W Metal Oxid		1	LBNDK1011AJZZ	\/	Tension Band	AH
R2357	VRS-CY1JF101J	V 2.2K	1/16W Metal Oxid		2	LBOSZ1007AJZZ	V		AD
R2358	VRS-CY1JF101J	V 100	1/16W Metal Oxid	e AA	3	LBOSZ1006AJZZ	V		AD
R2359	VRS-CY1JF101J	V 100	1/16W Metal Oxid	e AA	5	LCHSM0170AJZZ	V	Main Chassis Ass'y	BA
R2360	VRS-CY1JF472J	V 4.7k	1/16W Metal Oxid	e AA	6	LHLDZ2016AJZZ	V	3	AG
R2361	VRS-CY1JF822J		1/16W Metal Oxid		7	LPOLM0070GEZZ	J		ΑK
R2362	VRS-CY1JF822J		1/16W Metal Oxid		8	LPOLM0064GEZZ	J		
R2363	VRS-CY1JF222J		1/16W Metal Oxid		9	MLEVF0518AJZZ	V		AF
R2364	VRS-CY1JF272J	V 2.7k V 10k	1/16W Metal Oxid 1/16W Metal Oxid		10	ML EVE0540A 177	١,,	Arm Ass'y	۸.
R2365 R2366	VRS-CY1JF103J VRS-CY1JF470J	V 10K	1/16W Metal Oxid		10	MLEVF0519AJZZ	V	Supply Loading Arm Ass'y	AF
R2372	VRS-CY1JF682J		1/16W Metal Oxid		11	MLEVF0499AJZZ	\/	Pinch Drive Lever Ass'y	AG
R2373	VRS-CY1JF182J		1/16W Metal Oxid		12	MLEVF0500GEZZ	.J	Pinch Roller Lever Ass'y	AW
112070	VII.0 0 1 101 1020	v 1.010	iii iovi iiiotai oxia	5 701	15	MLEVF0523AJZZ	V		AH
					16	LANGF9620AJFW	V	A/C Head Plate	AG
	MISCELLAI	NEOUS F	PARTS		17	MLEVP0271AJZZ	V	Sifter Drive Lever	ΑE
FB2301	RBLN-0077TAZZ	V Ferr	ite Bead	AB	18	MLEVP0272AJZZ	V	Pinch Double Action Leve	rAD
FB2302	RBLN-0077TAZZ	V Ferr	ite Bead	AB	19	MLEVP0301AJZZ	V	Reverse Guide Lever Ass	'yAL
FB2303	RBLN-0077TAZZ	V Ferr	ite Bead	AB	20	MLEVP0275AJZZ	V		ΑD
FB2304	RBLN-0077TAZZ	V Ferr	ite Bead	AB	21	MLEVP0292AJZZ	V		ΑE
FB2305	RBLN-0077TAZZ		ite Bead	AB	22	MLEVP0290AJZZ		Open Lever	AD
	RBLN-0076TAZZ		ite Bead	AC	23	MLEVP0293AJZZ	V		ΑE
FB2307	RBLN-0076TAZZ		ite Bead	AC	24	MLEVP0294AJZZ	V	Sup Main Brake Ass'y	AF
FB2308	RBLN-0076TAZZ		ite Bead	AC	25	MLEVP0295AJZZ	V		AF
P2301	QPLGZ1195GEZZ		ı, 11pin	AD	26	CLEVP0287GEZZ	J	Ass'y Auto Head Cleaner Ass'y	Λ Ε
P2302 W2301	QPLGZ1195GEZZ PSLDM4541AJFW		ı, 11pin	AD AF	20 27	MSLIP0010AJZZ	V		AH
W2301	PSLDM4542AJFW			AF	29	MSPRD0175AJFJ	V		ΑE
WZ50Z	I OLDIVITOTZACI W	v Onio	iid	Ai	30	MSPRT0402AJFJ		Loading Double Action Spring	AE
	DUNTK		EV2		31	MSPRT0403AJFJ	V	. 0	AD
	Jac	k Unit			32	MSPRC0213AJFJ	V	. 0	AC
					33	MSPRT0416AJFJ	V	1	AD
	CAR	CITODS			34	NBLTK0067AJ00	V		ΑE
C2554	VCKYCY1EF104Z	ACITORS	25V Ceramic	AA	35	NDAIV1078AJ00	V	Reel Disk	AΕ
C2554	VCKTCTTEF104Z	V 0.1	25V Ceramic	AA	36 37	NGERH1293AJZZ NGERH1295AJ00	V	Loading Connect Gear Master Cam	AD AE
	RES	ISTORS			38	NGERH1294AJZZ	V	Casecon Drive Gear	AD
R2201	VRS-CY1JF750J	V 75	1/16W Metal Oxid	е AA	39	NGERH1270AJZZ	V	Take-Up Loading Gear	AF
R2203	VRS-CY1JF750J	V 75	1/16W Metal Oxid		40	NGERH1271AJZZ	V	Supply Loading Gear	AD
R2552	VRS-CY1JF750J	V 75	1/16W Metal Oxid		41	NGERH1272AJZZ	V	Pinch Drive Cam	ΑE
					43	NGERH1299AJZZ	V	Reel Relay Gear	ΑE
	MISCELLAI	NEOUS F	PARTS		44	NGERW1070AJZZ			AD
J202	QJAKE0195GEZZ	J Jack	(AC	45	NGERW1066AJZZ		Worm Wheel Gear	AD
J601	QJAKE0158GEZZ			AC	46	NIDR-0018AJZZ	V	,	AK
J602	QJAKE0157GEZZ			AC	47 48	NPLYV0162AJZZ	V	,	AD
SC205	QSOCD0439CEZZ			AF	49	NPLYV0163AJZZ NROLP0131GEZZ	V J	, ,	AM AL
SC8801	QSOCN0804REN		ket, 4pin	AB	50	NSFTP0032AJZZ		Tension Pole Adjuster	AB
	LHLDZ2056AJZZ	V Jack	PWB Holder	AE	51	MSPRC0217AJFJ	V		AC
					52	PREFL1011AJZZ		Light Guide	ΑE
					53	QCNW-0308AJZZ		FFC for Drum Motor	AG
					55	QCNW-0272AJZZ		FFC for A/C Head	AF
					56	QPWBF5469AJZZ	V	A/C Head PWB	ΑE
					57	QSOCN0605REN1	V	Socket, 6 pin	AB
					58	RHEDT0036AJZZ		Full Erase Head	AM
					59	RHEDU0088GEZZ			ΑV
					60	RMOTM1078GEZZ		<u> </u>	AP
					61 62	RMOTN2055GEZZ			BA
					63	RMOTP1135GEZZ DDRMW0030TEX5		Upper and lower	AX BS
					65	QBRSK0041GEZZ	J	drum Ass'y Drum Earth Brush	AD
					65 66	QBRSK0041GEZZ XBPSD26P05J00	J V	Drum Earth Brush Drum Drive Motor Mounting Screw	AD AA
							V	Drum Earth Brush Drum Drive Motor Mounting Screw (SW2.6P+5S)	
					66	XBPSD26P05J00	V	Drum Earth Brush Drum Drive Motor Mounting Screw (SW2.6P+5S) Drum Base	AA

Ref. No.	Part No.	*	Description (Code	Ref. No.	Part No.	*	Description C	ode
N			ASSIS PARTS			MECHANIC	CA	AL PARTS	
	(Cont	in	ued)				-		
70	MSPRC0223AJFJ	V	Azimuth Spring	AC	600	CCABA3119TEV4	V	Top Cabinet Ass'y	AY
71	MSPRC0224AJFJ	V	Height Adjusting spring	AC	601	GCABB1196AJKZ	V	Main Frame	AT
72	MSLIP0012AJZZ		S Slide Shaft G	AD	602	GCOVA2133AJKZ	V	Antenna Terminal Cover	AK
73	MSPRD0183GEFJ		I-Roller Arm Spring	AC	603	GBDYU3126AJFW	V	Bottom Plate	AM
74	MARMP0059GEZZ			ΑE	604	LANGK0184AJFW	V	Top Cabinet Fix Angle(L)	ΑE
75	NROLP0066GEZZ	J	I-Roller	AD	605	LANGK0185AJFW	V	Top Cabinet Fix Angle(R)) AF
					606	LHLDZ2044AJZZ	V	Front PWB Holder(R)	AD
					607	LHLDZ2045AJZZ	V	Front PWB Holder(L)	AD
					608	LHLDZ2048AJZZ	V	Y/C Holder	AG
				-	609	LX-HZ3047GEFF	J		AA
_	0DEW 1111T0		15 14/4 011550		610	LX-HZ3087GEFN	J		AB
S	CREW, NUTS	ΑI	ND WASHERS		611	LX-HZ3098GEFF	J		AB
					612	LHLDZ1962AJ00	V		AD
					613	PSLDM4558AJFW		H/A Shild (Bottom)	AF
201	XBPSD26P08000	V	Screw 2.6P+8S A/C Hea	d AA	614	LHLDZ2055AJZZ	V	0/2 222 1101001	AD
202	LX-HZ3082GEZZ	J	A/C Head Screw	AD	617	LX-HZ3102GEZZ		Screw	AB
203	XHPSD26P06000	V	Screw, C2.6P+6S"	AA	618	XEBSD30P12000	V		AA
			(For Capstan Motor)		619	XHPSD30P06WS0			AA
207	XHPSD30P08WS0	V	Screw, C3.0P+8S"	AA	620	XEPSD30P14XS0	V		AB
			(For Drum Base)		621	XJPSD30P10WS0	V		AA
208	XRESJ30-06000	V	E-Ring, E-3"	AA	622 625	PGUMS0026AJZZ LHLDZ2054AJZZ	V		AB AF
209	XWHJZ31-03052		Washer, W3.1-5.2-0.5"	AC	626	LHLDP1089AJ00	-	Display Holder (Top) LED Holder	AC
210	XWHJZ31-04052		Washer, W3.1-5.2-0.3"	AC	627	LHLDP1069AJ00 LHLDP1179AJZZ		LED Holder S-ET	AE
211	XWHJZ31-05052		Washer, W3.1-5.2-0.4"	AC	628	LHLDZ2056AJZZ	V		AE
212	XWHJZ31-06052	V	,	AC	629	TLABM4046AJZZ	V		AB
213	XWHJZ31-07052	V	Washer, W3.1-5.2-0.7"	AC	640	PZETZ0004AJZZ	V		AE
214	PSPAP0009AJZZ	V	Reverse Guide	AB	641	PSLDM4567AJFW	-		AK
			Adjusting Nut		642	XHPSD26P06WS0		Screw	AA
216	LX-WZ1041GE00		CW 2.5-6-0.5 CAM	AA	650	PZETL0001AJZZ		Insulation Sheet	AC
218	XBPSD30P08J00	V	Drum Base Mounting	AA	000		٠	a.a.a.a.	,
040	LV W74000CF00		Screw (SW 3P+8S)	۸۵					
219 220	LX-WZ1098GE00 LX-BZ3096GEFD		CW 2.6-4.7-0.5 RED Tilt Adjusting Screw	AB AA					
220	XBPSD26P06000		Azimuth Adjusting Screw						
ZZ I	VPL2D70L00000	V	2.6+6S	AA					
222	LX-BZ3197GEFD	.1	Screw (A/C Head)	AD		FRONT PA	N	EL PARTS	
223	XWHJZ31-08052		Washer, W3.1-5.2-0.8"	AC					
224	XWHJZ21-05052		Washer, W2.1-5.0-0.5"	AA					
225	LX-RZ3015GEFJ		CS Washer	AB	501	CPNLC2628TEV1	V	Front Panel Ass'y	ΑY
226	LX-WZ1044GE00	Ĵ	CW 1.6-4-0.5 I/R	AA	501-1	Not Available		Front Panel	, , ,

CASSETTE HOUSING CONTROL PARTS

300	CHLDX3081TEV2	٧	Cassette Housing Control Ass'y	AX
301	LANGF9592AJFW	V	Upper Plate	AL
302	LHLDX1028AJ00	V	Frame (L)	AΗ
303	LHLDX1030AJZZ	V	Frame (R)	ΑE
304	LHLDX1031AJZZ	V	Holder (L)	ΑE
305	LHLDX1032AJ00	V	Holder (R)	AΗ
306	MLEVF0469AJFW	V	Proof Lever (R)	ΑE
307	MLEVP0281AJ00	V	Door Open Lever	AD
308	MSLIF0076AJFW	V	Slider	ΑK
309	MSPRD0151AJFJ	V	Proof Lever (R) Spring	AB
310	MSPRD0166AJFJ	V	Drive Gear (R) Spring	ΑE
311	MSPRP0175AJFJ	V	Cassette Spring	ΑE
312	MSPRT0381AJFJ	V	Double Action Spring	AC
313	NGERH1278AJZZ	V	Drive Gear L	ΑE
314	NGERH1309AJZZ	V	Drive Gear R	ΑE
315	NGERR1008AJ00	V	Double Action Rack Gear	ΑE
316	NGERR3005AJFW	V	Drive Angle Gear	AG
317	NSFTD0041AJFD	V	Main Shaft	AΗ

501	CPNLC2628TEV1	V	Front Panel Ass'y	AY
501-1	Not Available	-	Front Panel	_
501-2	HBDGB3032AJSB	V	SHARP Badge	AL
501-3	HDECQ1982AJSA	V	Cassette Flap	AN
501-4	HDECQ1914AJSA	V	Cassette Flap Dec.	AD
501-5	HDECQ2073AJSA	V	Window Dec.	AH
501-6	JBTN-2920AJSA	V	Button,STOP	AG
501-7	JBTN-2898AJSA	V	Button, MENU	ΑE
501-8	JBTN-2955AJSC	V	Button, CH	AD
501-9	JBTN-2900AJSC	V	Button, REC	AF
501-10	JBTN-2983AJSA	V	Button, AV	AF
501-11	JBTN-2954AJSC	V	Button, POWER	AD
501-12	HDECQ1908AJSA	V	GAMMA LED DEC.	ΑE
501-13	HDECQ1909AJSA	V	DISPLAY LED DEC.	ΑE
501-14	MSPRD0103AJFJ	V	Cassette Spring	AB
502	XEBSD26P08000	V	Screw	AA
503	QSW-Z0071GEZZ	J	Switch,	AM
504	JBTN-2919AJSA	V	PLAY Button	AH
505	JKNBK1110AJSB	V	Knob	AH
506	HiNDP2104AJSA	V	S-VHS Plate	AC

Ref. No. Part No. ★ Description Code Ref. No. Part No. ★ Description Code

SUPPLIED ACCESSORIES

ACCESSORIES

TINS-3599AJZZ V Operation Manual AK QCNW-8070AJZZ V Audio/Video Cable AN QCNW-1350TAZZ V S-VHS Cable AN QCNW-0298AJZZ V 75 ohm Coaxial Cable AK

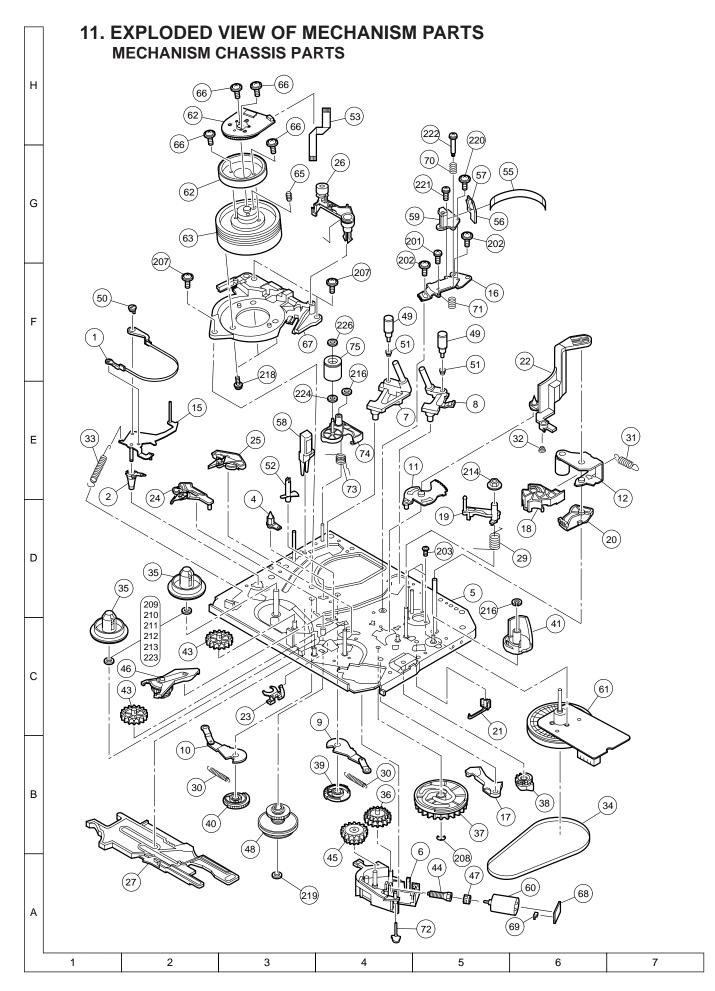
ACCESSORIES

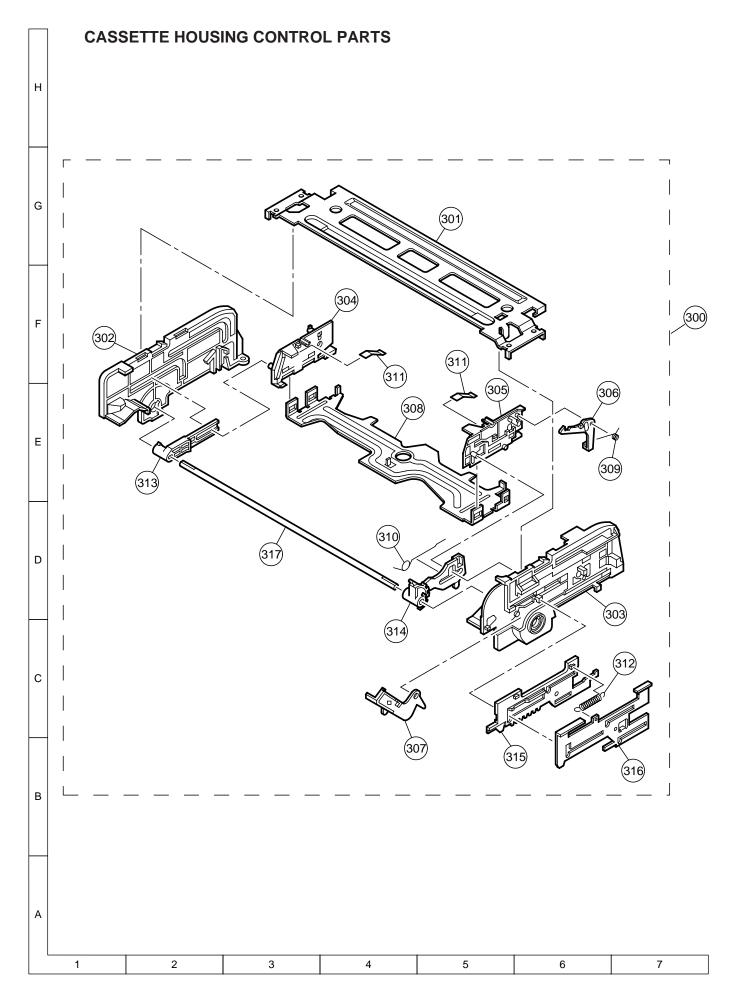
(Not Replacement Item)

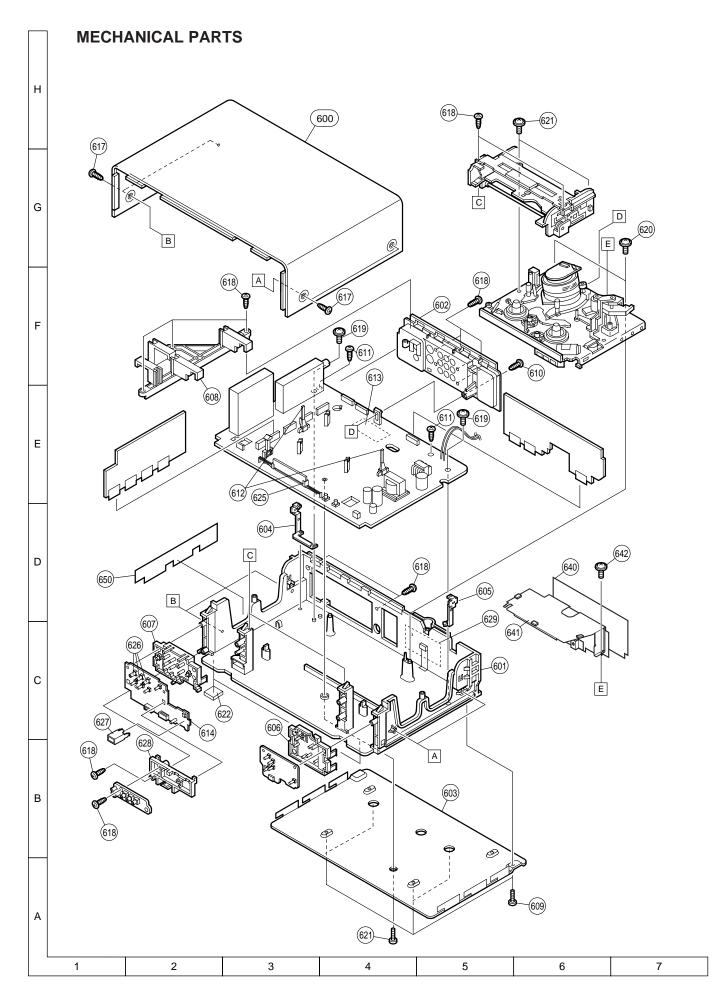
TGAN-0001AJZZ - Guarantee Card —
TCADH0110AJZZ - Timer Card —
TLABS0415AJZZ - Caution Label —
TLABZ1617AJZZ - Feature Label —

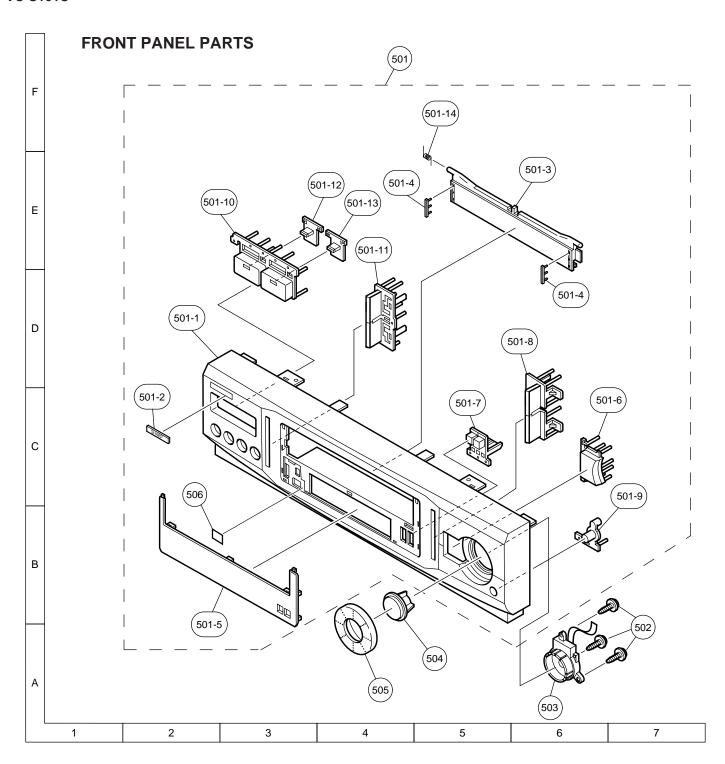
PACKING PARTS (NOT REPLACEMENT ITEM)

SPAKC4108AJZZ - Packing Case —
SPAKX1018AJZZ - Packing Foam —
SSAKA0001AJZZ - Polyethyrene Sack —
SPAKP0030AJZZ - Polyethyrene Bag —

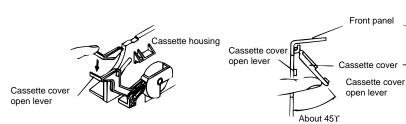








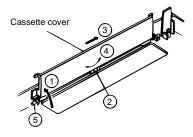
PRECAUTION ON FRONT PANEL SET-UP



Before attaching the front panel in position, make sure that the cassette cover open lever is in its right place (lower-most). If it is out of position, push it down with a finger.

Keep the cassette over about 45° open and make sure that the cassette cover open lever is between the front panel and the cassette cover. Now fix the front panel in place.

Do not mount the front panel with the cassette cover tilted too open. Otherwise the cassette cover might wrongly run on the cassette housing.



Removing the cassette compartment cover.

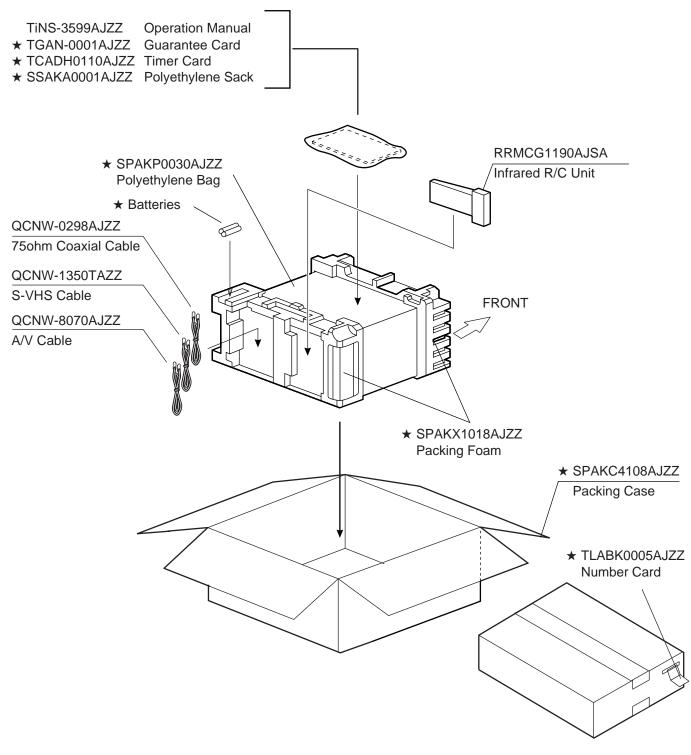
1 Open the cassette compartment cover

- Remove the center positioner. Slide the cover to the right.
- Slightly bend the cover.
- 5 Draw out the left-side rod.

12. PACKING OF THE SET

■ Setting of the Knobs

Accessories



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